

DEPARTMENT OF SPORTS, ARTS AND CULTURE

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**NOTICE IN TERMS OF THE PUBLICATION OF ENGLISH-ISIZULU ENGINEERING
AND CONSTRUCTION TERM LIST FOR PUBLIC COMMENTS**

I, Nkosinathi Emmanuel Mthethwa, Minister of Sport, Arts and Culture hereby publish the English-isiZulu Engineering and Construction Term List for public comments.



NE Mthethwa, MP

Minister of Sport, Arts and Culture

Date: 2021-03-12



sport, arts & culture

Department:
Sport, Arts and Culture
REPUBLIC OF SOUTH AFRICA

A

absorption field {plumbing}

A system of trenches containing coarse aggregate and distribution pipes through which septic-tank effluent may seep into the surrounding soil.

Source definition: www.thefreedictionary.com

isiZulu **indawo yokumunca inkucunkucu**

abutment {retaining wall}

A concrete support wall constructed at both ends of a bridge or an arch, in order to resist the horizontal force from the bridge or the arch, support the ends of the bridge span and to prevent the bank from sliding under.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **i-abhutimenti**

isiZulu **udonga oluyinsika yebhuloho**

access chamber

An underground chamber enabling access to drains or underground services.

Source definition: Aleckassociates.co.uk amended

isiZulu **intuba yokungena**

acrow prop {temporary support}

A telescopic prop much used as a temporary support in construction.

Source definition: Aleck associates Ltd.

isiZulu **insika yokusekela isikhashana**

actuator

A component of machines that is responsible for moving or controlling a mechanism or system.

Source definition: <https://en.wikipedia.org>

isiZulu **i-actuator**

aerospace engineering

The primary field of engineering concerned with the development of aircraft and spacecraft.

Source definition: Wikipedia.com

isiZulu **ubunjiniyela bezindizamshini**

aggregate {concrete}

A broad category of coarse particulate material used in construction, including sand, gravel, crushed stone, slag, recycled concrete and geosynthetic aggregates.

Source definition: www.wikipedia

isiZulu **inhlanguanisela eqinisa**

ezokwakha

isiZulu **umumo ophelele**

agricultural engineering

The area of engineering concerned with the design, construction and improvement of farming equipment and machinery.

Source definition: Environmentalscience.org adapted

isiZulu **ubunjiniyela bemisebenzi yezolimo**

isiZulu **ubunjiniyela ngezolimo**

airbrick

A special type of brick that has small holes in it that allow air to go through a wall.

Source definition: Cambridge English Dictionary.org

isiZulu **isitini esingenisa umoya**

air-conditioner condenser

A device or unit used to condense a substance from its gaseous to its liquid state, by cooling it.

Source definition: Wikipedia.org adapted

isiZulu **isijiyisi sokuguqulwa komoya endlini**
isiZulu **isijiyisi sokulinganiswa komoya endlini**

air conditioning

A system for controlling the humidity, ventilation, and temperature in a building or a vehicle.

Source definition: Concise Oxford English Dictionary

isiZulu **ukuhlelwa komoya**
isiZulu **ukulawulwa komoya**
isiZulu **ukulinganisa ubunjalo bomoya endlini**
isiZulu **ukulinganiswa komoya endlini**

aircrete

A lightweight aerated cement-based material from which easily handled high insulating building blocks are made.

Source definition: Aleck associates Ltd

isiZulu **ukhonkolo**

air duct

A pipe or channel permitting air to travel through a system, building, or other structure, such as a mine.

Source definition: Collinsdictionary.com

isiZulu **ipayipi yomoya**

air-entrained concrete (complex compound noun)

A concrete used for constructing roads which has about 5% air and is therefore less dense than ordinary good concrete, but it has excellent freeze-thaw resistance.

Source definition: Definitions of Definitions of Civil Engineering Terms (1992)

isiZulu **ukhonkolo lokwakha umgwaqo**

alcove

A small area in a room that is created by building part of one wall further back than the rest of the wall.

Source definition: Macmillan English Dictionary

isiZulu **ikhosela ekamelweni**
 isiZulu **ikhosela endlini**
 isiZulu **igosi elakhiwe odongeni**

anchor {for stability}

Any fastener (usually metal) used to attach parts, such as joists, trusses, posts, etc., to masonry or masonry materials.

Source definition: Beaufortonline.com

isiZulu **isankora**
 isiZulu **ihange**

ant cap

A termite barrier (shield), usually of galvanised iron, placed over piers and dwarf walls to control the entry of termites.

Source definition: Construction Dictionary of Building Terms

isiZulu **isivimbeli ntuthwane**

applied engineering

The field concerned with the application of management, design, and technical skills for the design and integration of systems, the execution of new product designs, the improvement of manufacturing processes, and the management and direction of physical and/or technical functions of a firm or organisation.

Source definition: Wikipedia.org

isiZulu **ubunjiniyela bokuqondisa**
 isiZulu **ubunjiniyela bokusentshenziswa**

arcade

A covered passage at the side of a building.

Source definition: Macmillan English Dictionary

isiZulu **imbubhe**
 isiZulu **isakhiwo esinegobela**
 isiZulu **i-akheyidi**

architect umdwebizakhiwo

Someone who plans, designs, and reviews the construction of buildings. Source

definition: Wikipedia

isiZulu	umdwebizakhiwo
isiZulu	isazi sokwakha
isiZulu	umqambi wemumo wendlu
isiZulu	umklami wokwakhiwa kwezindlu

architectural engineering

The branch of engineering that deals with the construction of buildings (as distinguished from architecture as a design art).

Source definition: Thefreedictionary.com

isiZulu	ubunjiniyela bokwakhiwa kwezindlu
isiZulu	ubunjiniyela bokumiswa kwezakhiwo zezindlu
isiZulu	ubunjiniyela boklama

architecture

The art of planning, designing, and constructing buildings.

Source definition: Collinsdictionary.com adapted

isiZulu	indlela yokhwakha
isiZulu	ukwakhiwa kwezindlu
isiZulu	ukumiswa kwezakhiwo

architrave

A frame around a doorway or window.

Source definition: Concise Oxford English Dictionary

isiZulu	umhlobisonsika
isiZulu	ukuhlobisa ngamapulwangwe okuzungeza umyango
isiZulu	ukuhlobisa ngamapulwangwe okuzungeza ifasitela

areaway

A sunken space affording access, air, and light to a basement.

Source definition: Mariam-Webster.com

isiZulu	indawo embelekile
isiZulu	indawo eyisigobe

area well

The space created by a corrugated metal or concrete barrier walls installed around a basement window to back the earth.

Source definition: Homewyse.com adapted

isiZulu **i-eriyaweli**

arris

A sharp edge formed when two planes or surfaces meet.

Synonym **arris edge**

Source definition: Beaufortline.com

isiZulu **i-arisi**

arris edge → arris

as-built drawing

A construction drawing revised to show significant changes made during the construction process, usually based on marked-up prints, drawings and other data furnished by the contractor or the engineer.

Source definition: Definitions of Definitions of Civil Engineering Terms (1992)

isiZulu **ukubuyekwezwa komdwebosakhiwo**
isiZulu **ukubuyekwezwa kweplani yesakhiwo**

ashpit

A receptacle in the bottom of a fireplace, or the like, for the accumulation of ashes.

Source definition: Dictionary.com

isiZulu **isifoco somlotha**
isiZulu **umgodi womlotha**
isiZulu **isikhoxe somlotha**

astragal

An applied moulding attached most commonly to the meeting edge of doors.

Source definition: Allegion

isiZulu **isihlanganisimagilasi esivundlile**
isiZulu **isihlanganisimagilasi esiqumile**
isiZulu **i-astragali**

atrium

A large open hall that goes up through all the levels of a building to the roof, which is usually made of glass.

Source definition: Macmillan English Dictionary

isiZulu **i-athriyamu**

attic

A space found directly below the pitched roof of a house or other building.

Source definition: Wikipedia adapted

isiZulu **i-athiki**
isiZulu **igumbimkhathi**
isiZulu **igumbi eliphezulu endlini**

autonomous vehicle {electrical engineering}

A motor vehicle that uses artificial intelligence, sensors and global positioning system coordinates to drive itself without the active intervention of a human operator.

Source definition: Wikipedia.org.adapted

isiZulu **imoto ezihambelayo**

awning window

A window consisting of several top-hinged sections arranged in a vertical series, operated by one or more control devices that swing the bottom edges of the sections outward, and designed especially to admit air while excluding rain.

Source definition: Meriam-Webster.com

isiZulu **ifasitela lokusitha ilanga**
isiZulu **iwindi lokusitha ilanga**

axed arch

An arch made of bricks that have been roughly cut into a wedge shape.

Source definition: Thesciencedictionary.org

isiZulu **igobela**

B

back siphonage

The backward flow of used, contaminated, or polluted water from a plumbing fixture or vessel into the potable water supply, often due to negative pressure in a pipe.

Source definition: www.dictionaryof construction.com

isiZulu **umbhobho wukomunca amanzi emuva**
isiZulu **umbhobho wokuthelelela emuva kwamanzi**

back vent {plumbing}

A ventilating pipe attached to a waste pipe on the sewer side of its trap to prevent siphonage.

Source definition: Meriam-Webster.com

isiZulu **ipayipi yokungenisa umoya**

balcony

A deck projecting from the wall of a building above ground level.

Source definition: Beaufortline.com

isiZulu **uvulande ophezulu**
Synonym **uvulande osesitezi**

balloon framed wall complex

The structure of the building holding up the walls, floors, and roof.

Source definition: Study.com

isiZulu **udonga oluyibhaluni**
isiZulu **ubonda oluyibhaluni**

baluster

A short pillar forming part of a series supporting a rail or coping.

Source definition: Concise Oxford English Dictionary

isiZulu **ibhalusta**

isiZulu **belusithe**
isiZulu **belusitha**

balustrade

A rail and the row of balusters or posts that support it, as along the front of a gallery.

isiZulu **ibhalustredi**
isiZulu **isibambelelo sokuzivikela nokuzisiza esitezi**
Synonym **isibambelelo esakhiwe esitezi sokuzivikela ukuwa**

banister {stairway}

A handrail with supporting posts used alongside a stairway.

Synonym **bannister**

isiZulu **isibambelelosokuvimbela abantu bangawi esitezi**
isiZulu **ibhanista**

banrister → banister

barge {support}

One of the sloping pieces of wood that supports a roof.

Source definition: Collins English Dictionary.com

isiZulu **isikhoco sendlu**

isiZulu **ibhaji**

barge board

A board which hangs from the projecting end of a roof, covering the gables; often elaborately carved and ornamented in the Middle Ages.

Source definition: ThoughtCo.com

isiZulu **uqwembe lwesikhoco sendlu**

baseboard

A trim board placed against the wall around the room next to the floor.

Synonym **skirting**

Source definition: Homebuildingmanual.com

isiZulu **sikeyiti**

basecourse

The bottom layer of material laid down in the construction of a pavement.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **isandlalelo sesisekelo**

base shoe {flooring}

A narrow moulding often of quarter round joining the bottom of a baseboard and the floor.

Source definition: Meriam-Webster.com

isiZulu **umhlobiso wendawo yaphansi**

isiZulu **isisekelo sendawu yaphansi**

bat {brick}

A brick cut transversely so as to leave one end whole.

Source definition: Dictionary.com

isiZulu **ibhathi**

batt {fibreglass}

A piece of fibreglass used to insulate buildings.

Source definition: Google.com

isiZulu **ibheti**

batten {wood}

A long strip of wood that is fixed to something to strengthen it or to hold it firm.

Source definition: Collins Cobuild English Dictionary adapted

isiZulu **ithandela**

isiZulu **ibhathini**

isiZulu **sikhonkhwane sokukhonkhotela**

batter {wall}

An inward slope from bottom to top of a wall face.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ibhatha**

isiZulu **utsheku**

isiZulu **ukwehlela kophahla**

isiZulu **ukutshekela kophahla**

isiZulu **udonga lokutsheka**

isiZulu **ubonda lokutsheka**

bay window

A window built to project outwards from an outside wall.

Source definition: Google.com

isiZulu **iwindi eliphumela ngaphandle**

isiZulu **ifasitela eliphumela ngaphandle**

isiZulu **iwindiqhunsu**

isiZulu **ifasitelaqhunsu**

beam {support}

A long thick bar of wood, metal, or concrete, especially one used to support the roof of a building.

Source definition: www.wikipedia.com

isiZulu **umshayo**
 isiZulu **umjanjatho**
 isiZulu **ibhumu**

bearing wall

A wall that bears the weight of the house above said wall, resting upon it by conducting its weight to a foundation structure.

Source definition: Wikipedia

isiZulu **udonga oluyisisekelo**
 isiZulu **ubonda oluyisisekelo**

berm

An artificially placed continuous ridge or bank of earth, usually along a roadside.

Source definition: www.Dictionary of Construction Terminology

isiZulu **udonga**

isiZulu **unqenqema**
 isiZulu **ukhalo**

bevel {instrument}

An instrument consisting of two rules or arms jointed together and opening to any angle for drawing angles or adjusting surfaces to be cut at an angle.

Source definition: Meriam-Webster.com

isiZulu **ibheveli**
 isiZulu **isikwele ibheveli**

bifold door

A door that slides open, made from a series of panels that fold up against the wall like a concertina.

Source definition: vibrantdoors.co.uk

isiZulu **umyango osongayo**

billet

Each of a series of short cylindrical pieces inserted at intervals in Norman decorative mouldings.

Source definition: Concise Oxford English Dictionary

isiZulu **ityela**
 isiZulu **ibhilethi**

bitumen

A black, sticky substance such as tar or asphalt, used for making roads and roofs.

Source definition: Dictionary.cambridge.org

isiZulu **itiyela**
isiZulu **isitafutafu esimnyama esakha umgqwaqo**

bleeding {concrete}

A form of segregation where some of the water in the concrete tends to rise to the surface of the freshly placed material.

Source definition: www.concrete.org.uk

isiZulu **ukucwenga kwe khonkolo**
isiZulu **ukwahlukaniswa kwe khonkolo**

blinding {layer of concrete}

A layer of lean concrete usually 2 to 4 inches thick, put down on soil such as clay to seal it and provide a clean bed for reinforcement to be laid on.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ikhebakheba**

blind nailing

A type of nailing performed so that the nailhead cannot be seen on the face of the work.

Source definition: Dictionary of Construction Terminology

isiZulu **umfutho ovaliwe**
isiZulu **ukushayela okuvaliwe**

block

A small wooden piece to brace framing members or to provide a nailing base for gypsum board or paneling.

Source definition: Homebuildingmanual.com

isiZulu **ibhloko**
isiZulu **ibhlokwe**

block out <n.>

A space where concrete is not to be placed, in a concrete structure which is under construction.

Source definition: Thefreedictionary.com adapted

isiZulu **indawo engafuni ikhonkolo**
isiZulu **indawu engathelwa ikhonkolo**

blotter

A drilling into earth to bring up samples of the soil.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ibhulota**
isiZulu **i-blotter**

blueprint <n.>

A reproduction of a technical drawing, documenting an architecture or an engineering design, using a contact print process on light-sensitive sheets.

Source definition: Wikipedia

isiZulu **isifanekiso sento ezokwakhwa**
isiZulu **isifanekiso somshini**

blue staking <n.>

The act of marking underground facilities such as electric, gas, water, telephone, cable or other underground facilities so that these networks are not damaged during excavation, trenching or digging activities.

Source definition: Arizona Corporation Commission

isiZulu **isigxobo**
isiZulu **sikhonkwane**

bonnet roof

A roof having a double slope on all four sides, the lower slope being less steep than the upper slope; often extends over an open-sided raised porch to provide excellent shade for the house and protection against rain.

Source definition: Thefreedictionary.com

isiZulu **uphahla lobhonethi**

boom {mounted on e.g. a truck, vehicle}
A truck used to hoist heavy material up and into place.

Source definition: Homebuildingmanual.com

isiZulu **ugongolo olwakhelwe ukuvala indlela**

boom {access control}

A bar, or pole pivoted to allow the boom to block vehicular access through a controlled point.

Source definition: Wikipedia

isiZulu **ugongolo olwakhelwe ukuvala indela**

bottom plate

The horizontal beam on which the studs of a partition rest.

Source definition: Meriam-Webster.com

isiZulu **ibhimu evundlayo**

isiZulu **ibhimu enqamulayo**

bowstring truss

A structural truss consisting of a curved top chord meeting a bottom chord at each end.

Source definition: Dictionary.com

isiZulu **uphahla lemichilo**

breaker panel

A steel box that holds multiple circuit breakers wired to circuits that distribute power throughout one's home.

Source definition: HomeDepot.com

isiZulu **bhokisi lukagesi**

brick guard

A steel mesh panel used on scaffolding to make sure that loose bricks cannot fall off the scaffold.

Source definition: Aleck Associates Ltd. amended

isiZulu **isivimbeli sesitini**

brick ledge

The portion of a foundation wall where brick (veneer) rests.

Source definition: Dictionary of Construction Terminology

isiZulu **ishalafu lwesitini**

isiZulu **ileji lwesitini**

brick lintel

The angle that brick rests on, especially above a window, door, or other opening.

Source definition: Honmebuildingmanual.com

isiZulu **ilenteli**

brick mould

A strip of material used to close the small gap between a brick wall and the frame of a door or window set into the wall.

Source definition: www.wisegeek.com

isiZulu **i-brickmould**

brick mould

A templet (used by a bricklayer, plasterer, in masonry, etc.) into which a liquid substance is cast or pressed and allowed to cool or harden so as to take a particular shape or pattern.

Source definition: Shorter Oxford English Dictionary

isiZulu **ifolomo yezitini**

brick tie

A small architectural element that is used to connect two brick walls across a narrow cavity or to bind a brick wall to a wood or steel frame.

Source definition: www.wisegeek.com

isiZulu **isiqinisa ubonda**

isiZulu **isiqinisa udonga**

bridge

A structure that is built over a river, road, or railway to allow people and vehicles to cross from one side to the other.

Source definition: Dictionary.cambridge.org

isiZulu **ibhuluho**

bridge deck

The load-bearing floor of a bridge that carries and spreads the loads to the main beams.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **itafula lebhuloho**

bridging {stability and load distribution}

A method of lateral bracing between joists for stiffness, stability, and load distribution.

Source definition: Dictionary of Construction Terminology

isiZulu **ukuqinisa**

buck {subframe}

The wood or metal subframe of a door, installed in a wall to accommodate the finished frame.

Source definition: Dictionary of Construction Terminology

isiZulu **uphahla oluncane**
isiZulu **ifulemu elincane**

building code

Municipal regulations that set forth standards and requirements for construction, maintenance, and occupancy of buildings in the interest of health, safety, and welfare of the public.

Source definition: BusinessDictionary.com

isiZulu **imithetho yezokwakha**

building paper

A heavy paper used especially in the construction of frame buildings to block draughts, for insulation, etc.

Source definition: www.dictionary.com

isiZulu **iphepha lokwakha**

built-up roof

A usually flat or slightly sloped roof that is covered with a special material applied in sealed, waterproof layers.

Source definition: www.dictionary.com

isiZulu **uphahla oluphakameyo**

butterfly roof

A roof having more than one slope, each descending inward from the eaves.

Source definition: www.dictionary.com

isiZulu **uphahla i-butterfly**

buttjoint

A joint formed by two pieces of wood or metal united end to end without overlapping.

Source definition: www.dictionary.com

isiZulu **ukuhlangana okuthingquphu**

buttress {reinforcement}

An architectural structure built against or projecting from a wall which serves to support or reinforce the wall.

Source definition: www.wikipedia.com

isiZulu **umthangala**
isiZulu **insika eqinisayo**

buttress → counterfort

bypass {road}

A road or highway that avoids or "bypasses" a built-up area, town, or village, to let through traffic flow without interference from local traffic, to reduce congestion in the built-up area, and to improve road safety.

Source definition: en.wikipedia.org

isiZulu **indlela edlula eceleni**
isiZulu **indlela enqamulayo eceleni**

bypass doors

Doors that slide by each other and commonly used as closet doors.

Source definition: Homebuildingmanual.com

isiZulu **imnyango eshelelezayo**

C

CAD → computer-aided design

caisson {a watertight retaining structure}

A watertight boxlike structure or chamber, made of wood, steel, or concrete usually sunk excavating within it, for the purpose of gaining access to bed of a stream and placing the foundations at prescribed depth and which subsequently forms part of the foundation itself.

Source definition: Theconstructioncivil.org

isiZulu **ibhokisi umuntu asebenzela kulo phansi kwamanzi**

camber {arched surface}

A slightly arched surface of a road to compensate for anticipated deflection or to allow for drainage.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ukuphakama komgwaqo**

cantilever {beam}

A beam which is securely supported at one end, and hangs freely at the other.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **insika elengayo**

isiZulu **ibhimu elengayo**

cased window → sash window

casement

A window sash opening on hinges that are generally attached to the upright side of its frame.

Synonym **casement window**

Source definition: www.dictionary.com

isiZulu **iwindi elivukele eceleni**

isiZulu **ifasitela elivulekele eceleni**

isiZulu **iwindi lekheysisimente**

isiZulu **ifasitela lekheysisimente**

casement window → casement

cast-in-place <adj.>

That is to be assembled or cast on site rather than prefabricated in a factory, e.g. a beam, a pile or other construction material.

Synonym **cast-in-situ**

Source definition: Quora.com amended

isiZulu **ehlanganiswa endaweni yokwakha**

cast-in-situ → cast-in-place

caulking {sealing}

The processes and material (also called sealant) to seal joints or seams in various structures and some types of piping.

Source definition: Wikipedia.org

isiZulu **ukunamathelisa**

isiZulu **ukugcwalisa imiveve ngetiyela**

cavity wall

A wall that consists of two separate walls with a space between them.

Source definition: Collins English Dictionary

isiZulu **ubonda elinombhobho**

isiZulu **undonga elinombhobho**

ceiling

An overhead interior surface that covers the upper limits of a room.

Source definition: Wikipedia adapted

isiZulu **isilingi**

celotex {fibrous board}

A black fibrous board that is used as exterior sheathing.

Source definition: Dictionary of Construction Terminology

isiZulu **iselotheksi**

cement mortar

A workable paste used to bind building blocks such as stones, bricks, and concrete masonry units together, fill and seal the irregular gaps between them, and sometimes add decorative colours or patterns in masonry walls.

Source definition: Wikipedia.org

isiZulu **udaka**

ceramic tile

A tile made from clay that has been permanently hardened by heat, often having a decorative glaze.

Source definition: Google.com

isiZulu **ithayela iseramikhi**

cesspipe → soilpipe

chase

A groove or space in walls or through floors of a building for piping or ducts.

Source definition: Wikipedia

isiZulu **umsele wombhobho**

chemical engineering

The branch of engineering concerned with the design and operation of industrial chemical plants.

Source definition: Concise Oxford English Dictionary

isiZulu **ubunjiniyela bekhemikhali**

chipboard

A building material made from wood chips compressed and bound with synthetic resin. Source

definition: www.yourdictionary.com

isiZulu **ibhodi**

isiZulu **ipulangwe yezwibela**

civil engineering

A professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, airports, sewerage systems, pipelines and railways.

Source definition: Wikipedia.org

isiZulu **ubunjiniyela bezokhwaka**

cladding

The separately applied exterior finish of a framed building.

Source definition: Aleck Associates Ltd

isiZulu **ukugqokisa**
isiZulu **ukwembesa**

clamp → cramp**clerestory**

A large window or series of small windows along the top of a structure's wall, usually at or near the roof line.

Source definition: Thoughtco.com adapted

isiZulu **iklerestori**

clerestory roof

A roof with a vertical wall which sits between the two sloping sides, which features a row of windows.

Source definition: www.build.com adapted

isiZulu **uphahla loklerestori**

coastal engineering

The study of the processes ongoing at the shoreline and construction within the coastal zone.

Source definition: Coastal.udel.edu adapted

isiZulu **ubunjiniyela bogu**
isiZulu **ubunjiniyela basegwini**

collapsible door

A door which can be opened or closed by slight pull or push.

Source definition: <https://gharpedia.com> adapted

isiZulu **umyango obocozekayo**
isiZulu **umyango osongekayo**

collar {roof}

A preformed flange placed over a vent pipe to seal the roofing above the vent pipe

opening.

Source definition: Homebuildingmanual.com amended

isiZulu **isivimbela ukuvuza**

compaction {*construction material*}

The elimination of voids in construction materials, as in concrete, plaster, or soil, by vibration, tamping, rolling, or some other method or combination of methods.

Source definition: Dictionary of Construction Terminology

isiZulu **ukugingqika ukugoqeka**
isiZulu

computer-aided design

A computer technology that designs a product and documents the design's process.

Acronym **CAD**

Source definition: www.techopedia.com

isiZulu **ukuklama ngekhompyutha**

computer engineering

A discipline that integrates several fields of electrical engineering and computer science required to develop computer hardware and software.

Source definition: Wikipedia.org adapted

isiZulu **ubunjiniyela bezekhompyutha**

concrete

A heavy, rough building material made from a mixture of broken stone or gravel, sand, cement, and water.

Source definition: Google.com

isiZulu **ukhonkolo**
isiZulu **usemende**

concrete pump

A piece of construction equipment designed to pump concrete through a hose, originating from a pump mounted on a truck or trailer.

Source definition: Construction & Home Renovation Glossary.com

isiZulu **isifutho sekhonkolo**
isiZulu **iphampu**

conduit

A pipe used to protect wiring or another venerable construction product or component.

Source definition: Construction & Home Renovation Glossary.com

isiZulu **umbhobhowecingo lukagesi**
Synon **ikhonduyithi**
ym

construction

The building of things such as houses, factories, roads and bridges.

Source definition: Collins Cobuild

isiZulu **ukwakha**

construction engineering

A specialised branch of civil engineering concerned with the planning, execution, and of construction operations for projects such as highways, dams, utility lines, and buildings.

Source definition: Thefreedictionary.com

isiZulu **ubunjiniyela bezokwakha**

control engineering

The study and design of systems, typically of a mechanical or electrical nature, which control the operation of machinery.

Source definition: Oxforddictionaries.com

isiZulu **ubunjiniyela bokuqondisa**
isiZulu **ubunjiniyela bokuphatha**

control joint

A groove which is formed, sawn, or tooled in a concrete or masonry structure to regulate the location and amount of cracking and separation resulting from the dimensional change of different parts of the structure, thereby avoiding the development of high stresses.

Source definition: www.en.wiktionary.org

isiZulu **isivekela ukdubuka**
isiZulu **isivikela kutlewuka**

coping {protective cap}

The protective top member of any vertical construction such as a wall or chimney.

Source definition: Dictionary of Construction Terminology

isiZulu **isisibekelwana sokuvimbela**

corbel

A structural piece of stone, wood or metal jutting from a wall to carry a superincumbent weight.

Source definition: wikipedia.com adapted

isiZulu **ikhobheli**

comer bead

A material that is used on the corners of walls in drywall construction to make the corners crisp and professional looking.

Source definition: www.wisegeek.com

isiZulu **isiklamuzelisi makhona**

cornice

A decorative border of wood or stone at the edge of the ceiling of a room or under the roof of a building.

Source definition: www.dictionary.cambridge.com

isiZulu **ipulangwe lonqenqema lesilingi**
isiZulu **ikhonisi**

counterfort

A strengthening buttress at right angles to a retaining wall, bonded to it to prevent overturning or to increase its bending strength.

Synonym **buttress**

Source definition: www.collinsdictionary.com

isiZulu **insika eqinisayo**

course {roof}

A row of shingles or roll roofing running the length of the roof.

Source definition: Dictionary of Construction Terminology

isiZulu **ikhosi**

cramp

Metal component built into masonry to join it to another member, for example a window frame ('frame cramp'), or to join two masonry units together.

Synonym **clamp**

Source definition: Aleck Associates Ltd

isiZulu **ikilempu**

crane

A mechanically operated device which is located on or around a building site for the purpose of lifting building components or equipment into position.

Source definition: Construction Glossary of Building Terms

isiZulu **unkaxa**

isiZulu **isicakuli**

isiZulu **umboko**

isiZulu **ujibha**

isiZulu **umshini wokufula izimpahla ezisindayo**

crank

A device which allows movement to go between parts of a machine or which changes backward and forward movement into circular movement.

Source definition: www.wikipedia.com adapted

isiZulu **isigwedlo**

isiZulu **ikrenki**

cricket {roof}

A device used at roof intersections to divert water.

Source definition: Beaufortonline.com

isiZulu **ukhalo lophahla**

cripple {building frame}

A structural element that is shorter than usual, as a stud above a door opening or below a window sill. Source definition: Thefreedictionary.com

isiZulu **insika lencane**

cripple jack rafter → cripple

cross bridging

A diagonal bracing between adjacent floor joints, placed near the centre of the joist span to prevent joists from twisting.

Source definition: Dictionary of Construction Terminology

isiZulu **ukuqinisa okuphambanayo**
isiZulu **uqinisa okunqumlayo**

cross gable

A roof that has two or more gable rooflines that intersect.

Source definition: <http://realtormag.realtor.org> adapted

isiZulu **uphahla lokugamanxana kwamagebula**

cross hipped roof

A type of a hip roof that has two intersecting hip sections that run perpendicular to each other.

Source definition: www.chasinggreen.org

isiZulu **uphahla oluyisiphambano**
 uphahla olunqamulayo

isiZulu

culvert

A structure that allows water to flow under a road, railroad, trail, or similar obstruction from one side to the other side.

Source definition: Wikipedia.org

isiZulu **umsele wokudonsa amanzi emgwaqeni**

cupola {roof}

A small, decorative structure built on the roof of a house that is often placed over an attached garage and may also be used for ventilating purposes.

Source definition: Beaufortline.com

isiZulu **ikhaphola**

curb roof

A roof having two or more slopes on each side of the ridge.

Source definition: Homebuildingmanual.com

isiZulu **uphahla olutshekile**
isiZulu **uphahla lonqenqema**

curing {concrete}

The process of maintaining satisfactory moisture and temperature conditions for freshly placed concrete for some specified time for proper hardening of concrete.

Source definition: Civilengineeringx .com

isiZulu **ukuqinisa ikhonkolo**

custodial lock {windowhardware}

A window hardware only operable with a tool or key.

Sourcedefinition: Glossary of Industry Terms

isiZulu **isikhiya sefasitela**

dado (wall)

The lower part of the wall of a room, below about waist height, when decorated differently from the upper part.

Source definition: Oxforddictionaries.com

isiZulu **ibhande elizungeza udonga endlini**
isiZulu **i-dado**

damper

A moveable metal plate in a flue or chimney, used to regulate the draught and so control the rate of combustion.

Source definition: Concise Oxford English Dictionary

isiZulu **insimbi evimbela umoya wokuvuthisa umlilo**

damp-proof course

A type of moisture control applied to building walls and floors to prevent moisture from passing into the interior spaces.

Abbreviation **DPC**

Source definition: Wikipedia

isiZulu **udamkosi isithiyamswakama**
isiZulu

dead bolt

An exterior security lock installed on exterior entry doors that can be activated only with a key or thumb-tum.

Source definition: Dictionary of Construction Terminology

isiZulu **umshudo**

design engineering

A discipline that creates and transforms ideas and concepts into a product definition that satisfies customer requirements.

Source definition: Innovationexcellence.com adapted

isiZulu **ubunjiniyela bezomqopho**
isiZulu **ubunjiniyela bezomdwebo**
isiZulu **ubunjiniyela bezokuqamba**
isiZulu **ubunjiniyela bezoklama**

die {specialised tool}

A specialised tool used in manufacturing industries to cut or shape material mostly using a press.

Source definition: Wikipedia

isiZulu **ifolomu**

domed roof

An architectural element that resembles the hollow upper half of a sphere.

Source definition: Wikipedia

isiZulu **uphahla olugobongo**

dormer {window}

An opening in a sloping roof, the framing of which projects out to form a vertical wall suitable for windows or other openings.

Source definition: Beaufortline.com

isiZulu **ifasitela legumbimkhathi**

isiZulu **ifasitela elusephahleni**

downpipe downspout

downspout

A pipe on the side of a building that carries rain water down from the roof to the ground.

Synonym **downpipe**

Source definition: Macmillan English Dictionary

isiZulu **umbhobho wegadasi**
isiZulu **ipayiphi ewewukayo**

DPC → damp-proof course

drain tile

A perforated, corrugated plastic pipe laid at the bottom of the foundation wall and used to drain excess water away from the foundation.

Source definition: Dictionary of Construction Terminology

isiZulu **umbhobho wokudonsa amanzi**

dry-packed concrete

A strong mixture of cement and sand damped with small amount of water, used to fill holes in existing walls, for example in underpinning.

Source definition: Aleck Associates Ltd

isiZulu **ukhonkolo wokuvala imigodi**

drywall

A board made of several plies of fiberboard, paper, or felt bonded to a hardened gypsum plaster core and used especially as wallboard.

Source definition: Mariam-Webster.com

isiZulu **udonga lwebhodi**

Dutch gable roof

A gable whose sides have a shape made up of one or more curves and has a pediment at the top.

Source definition: Wikipedia

isiZulu **uphahla lwegebula lwesiDutch**

dwarf wall

A low wall, not as high as the story of a building, often used as a garden wall or fence.

Source definition: Thefreedictionary.com

isiZulu **udonga elifishane**
isiZulu **ubonda elifishane**

E

earthquake engineering

An interdisciplinary branch of engineering that designs and analyses structures, such as buildings and bridges, with earthquakes in mind and its overall goal is to make such structures more resistant to earthquakes.

Synonym **seismic engineering**

Source definition: Wikipedia.org adapted

isiZulu **ubunjiniyela bezoku zama zama kwomhlaba**

ECSA → Engineering Council of South Africa

egress window {e.g. in case of an emergency}

A window large enough, as defined by local business codes for entry or exit in case of an emergency.

Source definition: Alure.com adapted

isiZulu **ifasitela eliphumela ngaphandle**

elbow {plumbing}

A sharply bent or fabricated angle fitting, usually of pipe, conduit, or sheet metal.

Source definition: Dictionary of Construction Terminology

isiZulu **umbhobho oyindololwane**

electronic engineering → electronics engineering

electronics engineering

A discipline which uses the scientific knowledge of the behaviour and effects of electrons to develop components, devices, systems, or equipment that uses electricity as part of its driving force.

Synonym **electronic engineering**

Source definition: Wikipedia

isiZulu **ubunjiniyela bezebonhlansi**

elevator

A large container for carrying people or goods from one floor of a building to another.

Synonym **lift**

Source definition: Longman Dictionary of Contemporary English adapted

isiZulu **ilifthi**

embankment

A ridge constructed of earth, fill rocks, or gravel and used most commonly to retain water or to carry a roadway.

Source definition: Dictionary of Construction Terminology

isiZulu **udonga lokuwimbela**

isiZulu **ubonda lokuwimbela**

engineer

A person who is professionally trained to design and build machines, engines, certain equipment, or to construct roads, bridges, buildings, etc., using scientific principles.

Source definition: Cambridge Learners Advanced Dictionary adapted

isiZulu **unjiniyela**

engineering

The application of scientific and mathematical principles to practical ends such as the design, manufacture, and operation of efficient and economical structures, machines, processes, and systems.

Source definition: Thefreeditcionary.com

isiZulu **ubunjiniyela**

engineering brick

A type of brick used where the strength, low water porosity or acid (flue gas) resistance are needed.

Source definition: Wikipedia.org

isiZulu **isitini sobunjiniyela**

Engineering Council of South Africa

A statutory body established in terms of the Engineering Profession Act (EPA), 46 of 2000 and its primary role is the regulation of the engineering profession in terms of this Act.

Acronym **ECSA**

Source definition: Engineeringnews.co.za adapted

isiZulu **umKhandlu wobuNjiniyela wase niNgizimu Afrika**

environmental engineering

The branch of engineering that is concerned with protecting people from the effects of adverse environmental effects.

Source definition: Livescience .com adapted

isiZulu **ubunjiniyela bebunjalo bendawo**

escalator

A set of stairs that move and carry people from one level within a building to another.

Source definition: Longman Dictionary of Contemporary English

isiZulu **izitebhisi ezizihambelayo**

escutcheon {ornamental or protective plate, e.g. around keyhole}

An ornamental plate that fits around a pipe extending through a wall or floor to hide the cut out hole.

Source definition: Dictionary of Construction Terminology

isiZulu **i-escutcheon**

isiZulu **isikashini**

extrados

The exterior curve or surface of an arch or vault.

Source definition: Dictionary.com

isiZulu **ingaphandle legobela**

F

face brick

A brick which is intended to be visible, and is thus designed with some aesthetic aims in mind so that it is visually interesting and appealing to look at.

Source definition: www.wisegeek.com adapted

isiZulu **isitini sangaphandle**

faced wall

A wall whose masonry facing and backing are of different materials.

Source definition: Thefreedictionary.com

isiZulu **udonga olwakhe ngezitini ezingafani**

fascia

A decorative board fixed to the ends of the rafters.

Source definition: Aleck Associates Ltd.

isiZulu **ifishiyabhodi**

isiZulu **uqwembe lwesikhoco sendlu**

faulting

The difference in elevation of two adjacent concrete slabs at a joint, primarily caused by the traffic-induced movement of base material particles from under one joint edge to under the adjacent joint edge.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ukuphama okuhlukile**

fenestration

The design, construction, or presence of openings in a building and includes windows, doors, louvres, vents, wall panels, skylights, storefronts, curtain walls, and slope glazed systems.

Source definition: Wikipedia.org adapted

isiZulu **ukuhlelwa kwesakhiwo**

isiZulu **ukuba nezikhala kwesakhiwo**

ferrule

A metal tube used to keep roof gutters open.

Source definition: Dictionary of Construction Terminology

isiZulu **iferuli**

isiZulu **isongo lokuqinisa ilungu**

filler-joist floor

An obsolete but commonly-found form of floor comprising a concrete slab reinforced with steel L-beams known as rolled steel joints.

Source definition: Aleck Associates Ltd.

isiZulu **indawo yaphansi eqnisiwe ngentsimbi nokhonkolo**

fink truss

A wood or steel truss used to support a roof with a span of up to 50 feet.

Source definition: www.Yourdictionary.com

isiZulu **amakabha kaFink**
 isiZulu **amabhanuko kaFink**
 isiZulu **uhlaka lophahla kaFink**
 isiZulu **uhlaka lophahla olunxantathu**

firebrick

A block of refractory ceramic material used in lining furnaces, kilns, fireboxes, and fireplaces.

Source definition: Wikipedia

isiZulu **isitina esimelana nomlilo**

firewall

A wall or partition designed to inhibit or prevent the spread of fire.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **ubonda bkuvimbela umlilo**
 isiZulu **udonga bkuvimbela umlilo**

fixture branch {plumbing}

Any pipe which connects several plumbing fixtures, such as a drain serving two or more fixtures or a supply pipe between the water-distributing pipe and several fixtures.

Source definition: Thefreedictionary.com

isiZulu **ipayipi ekuhlanganiswa kulo**

isiZulu **ipayipi ekudibaniswa kulo**

fixture unit {unit of measure in plumbing}

A unit of measure, based on the rate of discharge, time of operation and frequency of use of a fixture, that expresses the hydraulic load imposed by that fixture on the sanitary plumbing installation.

Source definition: Wikipedia.org adapted

isiZulu **isilinganisi payipi**
 isiZulu **isikali somthamo**

flagstone

A generic flat stone, usually used for paving slabs or walkways, patios, fences and roofing.

Source definition: Wikipedia.org adapted

isiZulu

itshe eliyixwexwe

flange

A projecting rim, collar, or ring on a shaft, pipe, machine housing, etc., cast or formed to give additional strength, stiffness, or supporting area, or to provide a place for the attachment of other objects.

Source definition: Dictionary.com

isiZulu **iflenji**
isiZulu **impundu yesondo**

flap gate {e.g. to prevent inflow of water}

A device that allows water to flow in one direction only through a culvert; it is used especially to drain surface water from coastal marshes at low tide.

Source definition: www.Yourdictionary.com

isiZulu **isango lokulawula amanzi**

flashing {e.g. to prevent seepage from wind and water}

Material, usually metal, used to prevent seepage of wind and water at any roof intersection or projection such as vent pipes, valleys, chimneys, dormers etc.

Source definition: Engineering-dictionary.org

isiZulu **ucwecwe lokhethe eluvalela invula ingangeni**

flat roof

A roof with a slight fall which is designed and constructed to allow rainwater to be shed by gutters, outlets or to the perimeter of the roof.

Source definition: National Building Regulation Code of Good Practice

isiZulu **uphahla eliyithafa**

flatwork

Any flat system of construction, such as a concrete slab, sidewalks, patios, asphalt drives and parking lots.

Source definition: Dictionary.com

isiZulu **ithafa**

flitched beam

A compound beam used in the construction of houses, decks, and other primarily wood- frame structures.

Source definition: Wikipedia.org adapted

isiZulu **ugongolo**
isiZulu **umjanjatho**

floating wall

A non-bearing wall built on a concrete floor.

Source definition: Dictionary of Construction Terminology

isiZulu **ubonda oluntantayo**
isiZulu **udonga oluntatayo**

floor → storey

flue pipe

A pipe that leads from a fire or heater to the outside of a building, taking smoke, gases, or hot air away.

Source definition: www.dictionary.cambridge.org

isiZulu **umbhobho wentuthu**
isiZulu **umbhobho kashimula**

fly ash → pulverised fuel ash

fly rafter {roofing}

A gable-end rafter on a roof overhang that runs parallel to the common rafters and is supported by the lookout rafter.

Source definition: Dictionary of Construction Terminology

isiZulu **umshayo**

flywheel {mechanical device}

A heavy wheel that is part of some engines.

Source definition: Collins Dictionary

isiZulu **ifulayiwili**

folding door

A type of door which opens by folding back in sections or so-called panels.

Source definition: Wikipedia

isiZulu **umyango osongayo**

footing {concrete support}

A foundation unit constructed in brick work, masonry or concrete under the base of a wall or a column for the purpose of distributing the load over a large area.

Source definition: www.Quora.com

isiZulu **isizinzisi**

isiZulu **isisekelo**

foundation

The part of a structure of a building that is below the ground and supports the rest of it.

Source definition: Macmillan English Dictionary

isiZulu **isisekelo**

isiZulu **umthambo**

frog {brick}

A depression made on the face of bricks during moulding.

Source definition: Civilsutra.in

isiZulu **isifocosesitini**

G

gable {roof}

The triangular upper part of a wall at the end of a ridged roof.

Source definition: Concise Oxford English Dictionary

isiZulu **igebuli**

isiZulu **igebula**

galvanised iron {iron coated with zinc}

Iron, especially a sheet of corrugated iron, covered with a protective coating of zinc.

Source definition: www.Collinsdictionary.com

isiZulu **uthayela**

gambrel roof

A hipped roof with a small gable forming the upper part of each end.

Source definition: www.oxforddictionaries.org

isiZulu **uphahla oluyigambreli**

isiZulu **uphahla lwegebulana**

geotechnical engineering

The branch of engineering concerned with the analysis, design and construction of foundations, slopes, retaining structures, embankments, tunnels, levees, wharves, landfills and other systems that are made of or are supported by soil or rock.

Source definition: Ejge.com adapted

isiZulu **ubunjiniyela ngobunjalomhlaba**

girder

A beam, as of steel, wood, or reinforced concrete, used as a main horizontal support in a building or bridge.

Source definition: Thefreedictionary.com

isiZulu **insika ephansi okwakhiweyo**

isiZulu **umjanjatho wensimbi**

green roof {roof covered with e.g. vegetation}

A roof covered with vegetation, designed for its aesthetic value and to optimise energy conservation.

Source definition: www.dictionary.com

isiZulu **uphahla eluhlobile**

isiZulu **uphahla oluhlaza**

grille

A metal frame with bars or wire across, that is used for protecting a door or a window.

Source definition: Macmillan English Dictionary

isiZulu **ifasitela elinezinsimbi ezivimbileyo**

grout

A mortar or paste for filling crevices, especially the gaps between wall or floor tiles.

Source definition: Concise Oxford English Dictionary

isiZulu **igrawuthi**

isiZulu **isinamathelisi**

gusset plate

A triangular plate of steel that is used to connect beams and girders to columns.

Source definition: Wikipedia.org amended

isiZulu **isiqinisindwangu**

gutter

An open pipe at the lower edge of a roof which collects and carries away rain water.

Source definition: Cambridge Advanced Learners Dictionary

isiZulu **ugadasi**

H

half-hip roof

A variant of a hip roof depicting a small modification at the top of the gable.

Source definition: Myrooff.com

isiZulu **uphahla oluqhunsuke macala**

hardware {tools and equipment}

Metal tools, materials and equipment used in a house or a garden, such as hammers, nails and screws.

Source definition: Cambridge Advanced Learners Dictionary

isiZulu **izimpahla zokwakha**

isiZulu **amathulusi**

hearth

The floor of a fireplace in a house and the area around it.

Source definition: Macmillan English Dictionary

isiZulu **iziko**

hip and valley roof

A modified or extended hip roof.

Source definition: www.qbis.com

isiZulu **uphahla ulonwebekile**

hip roof

A simple roof which slopes downward at all points and has a uniform angle of pitch.

Source definition: Wikihow

isiZulu **umjanjatho onabile**

hod {three-sided container for carrying bricks etc}

A three-sided container mounted on a pole, used to carry bricks or mortar up a ladder.

Source definition: Aleck Associates Ltd.

isiZulu **okokuphatha izitini**

honeycomb brickwork

A brick bond characterised by the absence of certain bricks for decorative purposes, or to allow ventilation or provide a screened effect.

Source definition: Thefreedictionary.com

isiZulu **udonga oluhlobiswe njengokhekheba**

Howe truss

A truss having vertical and diagonal members between the upper and lower horizontal members.

Source definition: Meriam-Webster.com

isiZulu **amakabha kaHowe**

isiZulu **amabhanukokaHowe**

hydraulic cement

A product used to stop water and leaks in concrete and masonry structures and is a type of cement, similar to mortar, that sets extremely fast and hardens after it has been mixed with water.

Source definition: Thebalance.com adapted

isiZulu **usemende womfutholuketshezi**

hydraulic engineering

The branch of civil engineering dealing with the use and control of water in motion.

Source definition: Vocabulary.com

isiZulu **ubunjiniyelabomfutholuketshezi**

industrial engineering

The branch of engineering that is concerned with the production of industrial goods, especially by the design of efficient plants and procedures and the management of

materials, energy, and labour.

Source definition: Thefreedictionary.com

~~is~~Zulu **ubunjinyela bezemsembenzi**

insulation

The act of covering something to stop heat, sound, or electricity from escaping or entering, or the fact that something is covered in this way.

Source definition: Cambridge.org

isiZulu ukuvimbelakushisa
isiZulu ukwemboza

intrados

The interior curve or surface of an arch or vault.

Source definition: Dictionary.com

isiZulu igobela langaphakathi lweashi

J

jamb {lining of e.g. a doorway}

The side and head lining of a doorway, window, or other opening.

Source definition: Homebuildingmanual.com

isiZulu isigxobo somnyango

isiZulu impeladonga yesikhala

joggle

A joint between two pieces of stone, concrete, or timber, consisting of a projection in one of the pieces fitting into a notch in the other, or a small piece let in between the two.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu ijoyinti
isiZulu isihlanganisi

joinery

The wooden components of a building collectively.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **umsebenzi wokubaza amapulangwe**

joint sealant

A material used as a filler in concrete pavement joints to prevent infiltration of water, soil and other fine particles.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ijoyinti yokuxhumanisa**

joist

Any of the small timbers or metal beams ranged parallel from wall to wall in a structure to support a floor or ceiling.

Source definition: Mariam-Webster.com

isiZulu **ijoyisti**
isiZulu **umshayo wokusekela**

K

keystone

A stone at the top of an arch that keeps the structure together.

Source definition: Macmillan English Dictionary

isiZulu **itshe eliyisisekelo**

isiZulu **sikhonkhwane seMashi**

kicker {stability}

A wood block or board attached to a formwork member in a building frame or formwork to make the structure more stable.

Source definition: Dictionary of Construction Terminology

isiZulu **isizinzisi**

king closer {brick}

A rectangular brick having one corner cut diagonally to half the end of the brick and used to fill an opening in a course larger than half a brick.

Source definition: Thefreedictionary.com adapted

isiZulu **i-king closer**
isiZulu **isitini esingunxande**

king post {roof}

A structural member running vertically between the apex and base of a triangular roof truss.

Source definition: Dictionary.com

isiZulu **ikabha eliyisisekelo**

L

laminated strand lumber

An engineered wood product developed in the 1980s in which wood strands are glued together and pressed into forms using steam injection.

Abbreviation **LSL**

Source definition: Thefreedictionary.com

isiZulu **amapulangwe anamathelisiwe**

latch

A spring lock for an outer door, which catches when the door is closed and can only be opened from the outside with a key.

Source definition: Concise Oxford English Dictionary

isiZulu **isiqhebeza somnyango iweji**

isiZulu

lateral sewer → side sewer

lath

A thin strip of wood nailed to studs or joints as carrier for plaster. Source

definition: Aleck Associates Ltd.

isiZulu **ilati**

isiZulu **ipulangwe elilula**

lattice

A framework consisting of an ornamental design made of strips of wood or metal.

Source definition: WordReference

isiZulu **ilathisi**

isiZulu **isihonga esakhiwe ngokuphuca izintingo**

lean-to roof

A single slope roof with its upper edge adjoining a wall or a building.

Source definition: <https://gharpedia.com>

isiZulu **uphahla oluehlelayo**

ledger

A horizontal scaffold pole fixed to two upright poles for supporting the outer ends of putlogs.

Source definition: Thefreedictionary.com

isiZulu **ileja**

lewis{steeldevice}

A steel device for lifting heavy blocks of stone or concrete, consisting of three pieces arranged to form a dovetail.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isifunquli samatshe noma ukhonkolo**

Lift → elevator

lift pit

That part of an elevator shaft that extends from the threshold level of the lowest landing door down to the floor at the very bottom of the shaft.

Source definition: Thedictionaryforconstruction.com

isiZulu **umgodi welifthi**

isiZulu **umgodi weshafti**

lime mortar

A mortar made of lime, sand, water, and occasionally a small quantity of cement.

Source definition: Meriam-Webster.com

isiZulu **udaka lomcako**
 siZulu **udaka lokhalikho**

lintel

A piece of stone or wood that supports the wall above a door or window.

Synonym **lintol**

Source definition: Aleck Associates Ltd.

isiZulu **ilentela**

isiZulu **umshayo ophezu komnyango**

isiZulu **umshayo ophezu kwefasitela**

lintol → lintel

load-bearing wall

A wall that is an active structural element of a building, that is, it bears the weight of the elements above said wall, resting upon it by conducting its weight to a foundation structure.

Source definition: Wikipedia

isiZulu **ubonda lokuthwala isakhiwo**
isiZulu **udonga lokuthwala isakhiwo**

louver → louvre

louvre

A framed opening, as in a wall, door, or window, fitted with fixed or movable horizontal slats for admitting air or light and often for shedding rain.

Source definition: Thefreedictionary.com

isiZulu **i-louvre**

LSL → laminated strand lumber

M

manhole

A hole in the surface of a road or street, covered with a metal lid and used for entering an underground passage such as sewer.

Source definition: Macmillan English Dictionary

isiZulu **umbhobho wokungena**

mansard roof

A roof having four sides, in each of which the lower part of the slope is steeper than the upper part.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **uphahla oluyimpindakwehla**
isiZulu **uphahla oluyimpindamgingqilizi**
isiZulu **uphahla lukaMansard**

mantelpiece → mantelpiece

mantelpiece

A construction framing the opening of a fireplace and usually covering part of the chimney

breast in a more or less decorative manner.

Synonym **mantelpiece**

Source definition: Dictionary.com

isiZulu **ishalufu eliphezu kweziko**

isiZulu **isembeso seziko**

manufacturing engineering

A branch of professional engineering requiring such education and experience as is necessary to understand and apply engineering procedures in manufacturing processes and methods of production of industrial products.

Source definition: Researchgate.net adapted

isiZulu **ubunjiniyela bezokwenza**

isiZulu **ubunjiniyela bezemishini**

masonry

The bricks or stones that make a building wall, or other structures.

Source definition: Macmillan English Dictionary

isiZulu **ubonda lwamatshe abaziweyo**

isiZulu **udonga lwamatshe abaziweyo**

mastic {waterproof filler}

A putty-like waterproof filler and sealant used in building.

Source definition: Collins Cobuild

isiZulu **imastiki**

matte finish → matt finish

matt finish

A paint, colour, or surface that is dull rather than shiny.

Synonym **matte finish**

Source definition: Collins Cobuild

isiZulu **umbala obuthuthu**

maul {tool}

A heavy, long-handled hammer used especially to drive stakes, piles, or wedges. Source

definition: Thefreedictionary.com

isiZulu **isando**

mechanical engineering

The branch of engineering concerned with the design, construction, and operation of machines and machinery.

Source definition: Collinsdictionary.com

isiZulu **ubunjiniyela bezemishini**

millwork

Woodwork (such as doors, sashes, or trim) manufactured at a mill.

Source definition: Homebuildingmanual.com

isiZulu **umsebenziwamapulangwe**

isiZulu **okwamapulangwe**

minengineering

A branch of engineering concerned primarily with the location and evaluation of mineral deposits, the survey of mining areas, the layout and equipment of mines, and the supervision of mining operations.

Source definition: Mariam-Webster.com

isiZulu **ubunjiniyela bezemigodi**

isiZulu **ubunjiniyela bezemayini**

miter saw → mitre saw

mitre saw

A specialised tool that lets one make cuts at a variety of angles.

Synonym **mitersaw**

Source definition: www.Google.com

isiZulu **isaha lemitha**

monolithic concrete

A reinforced concrete cast with no joints other than construction joints.

Source definition: Encyclopedia Britannica

isiZulu **ikhonkolo lebumbene**

mono-pitch roof

A single-sloped roof surface, often not attached to another roof surface.

Synonym **single-pitch roof**

Source definition: Wikipedia adapted

isiZulu **uphahla eluphakeme**

mortar

A mixture of lime with cement, sand, and water, used in building to bond bricks or stones.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **udaka**

mortice

A hole cut into a piece of wood or stone into which one fits the end of another piece of wood or stone called a tenon in order to join the two pieces.

Synonym **mortise**

Source definition: Macmillan English Dictionary

isiZulu **ingoxi epulangweni**

isiZulu **isihlanganisi magilasi esimile**

isiZulu **imothisi**

mortise → mortice

mullion {window}

A piece of metal, wood, or stone used for separating the pieces of glass in a window.

Source definition: Macmillan English Dictionary

isiZulu **isihlanganisi magilasi esimile**

muntin{window}

Any of the strips of wood or metal used for support between panes of glass, as in a window.

Source definition: Collins English Dictionary

isiZulu **imicu esekela igilasi yefasitela**

N

nano-engineering

A field focused on manipulating processes that occur on the scale of 1 to 100 nanometres.

Source definition: WisegEEK.com adapted

isiZulu **uburjinyela benano**

nanometre

A unit of length in the metric system, equal to one billionth (short scale) of a metre.

Source definition: Wikipedia.com adapted

isiZulu **i-nanomitha**

nanotechnology

The manipulation and manufacture of materials and devices on the scale of atoms or small groups of atoms.

Source definition: Britannica.com

isiZulu **ithekinoloji yenano**
 Synonym **buchwepheshe benano**

needle {steel beam}

A steel beam used to support an existing structure while it is being repaired, or to provide support when moving a structure, or when removing a portion of the wall below the beam.

Source definition: Thefreedictionary.com adapted

isiZulu **ibhimu yensimbi**
 isiZulu **umshayo wensimbi**

non-load bearing wall

A wall capable only of supporting its own weight and (if it is an exterior wall) capable of resisting the force of the wind blowing against it; it cannot support an imposed load.

Source definition: Thefreedictionary.com

isiZulu **udonga olungenakumelana nomthwalo?**
 isiZulu **udonga olungenakumelana nomthwalo?**

O

oriel window

An upper storey window projecting outward from a wall.

Source definition: Theconstructioncivil.org

isiZulu **iwindi lweoriyeli**
 isiZulu **ifasitela lweoriyeli**

isiZulu **fasitela eliphumele ngaphandle**

outrigger

A structural element projecting out from a building to act as support, usually for a barge roof overhang.

Source definition: En.mimi.hu

isiZulu **isizinzisi sesikhobe sesinqe sophahla**

isiZulu **isizinzisi sesakhivo**

P

padstone

A block of concrete or stone used to spread the weight of a beam or joist, to avoid crushing the wall upon which it rests.

Source definition: Aleck Associates Ltd.

isiZulu **iphedistoni**

parapet {wall}

A barrier which is an extension of the wall at the edge of a roof, terrace, balcony, walkway or other structure.

Source definition: Aleck Associates Ltd.

isiZulu **udongasivimbelakuwa**

isiZulu **uthango lokuvikela**

isiZulu **ipharaphethi**

partition {wall}

A non-load bearing wall between rooms or areas in a building.

Source definition: Aleck Associates Ltd.

isiZulu **uthango lokwahlukanisa**

isiZulu **isahlukaniso**

partition stud → stud

party wall

A wall that divides two buildings that are joined together, and belongs to both of them.

Source definition: Dictionary.cambridge.org

isiZulu	udonga oluhlukanisa izindlu
isiZulu	ubonda oluhlukanisa izindlu

petroleum engineering

The study of how to locate and extract energy resources, such as oil and natural gas, from the earth.

Source definition: Learn.org adapted

isiZulu **ubunjiniyela bezephetroli**
isiZulu **ubunjiniyela bezephafini**

pier {e.g. support for a bridge}

A wide column or a wall of masonry, plain or reinforced concrete for carrying heavy loads, such as a support for a bridge.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **insika iphiye**
isiZulu **insika yamatshe**

pilaster {column}

A flat column that is slightly further forward than the rest of a wall.

Source definition: Macmillan English Dictionary

isiZulu **insika**

pile {foundation}

Wooden, concrete, or metal posts which are pushed into the ground and on which buildings or bridges are built which are often used in very wet areas so that the buildings do not flood.

Source definition: Collins Cobuild adapted

isiZulu **insika okwaxhiwa phezu kwazo**

pile driver

A large machine that pushes posts into the ground to support new buildings.

Source definition: Macmillan English Dictionary

isiZulu **i-pile driver**

pillar

A tall vertical structure, usually of stone, used as a support for building.

Source definition: Concise Oxford English Dictionary

isiZulu **insika**

pilot hole

A guiding hole for a nail or screw, or for drilling a larger hole.

Source definition: Dictionary of Construction Terminology

isiZulu **inturjaye sipikili**

plaster {walls and ceilings}

A soft mixture of lime with sand or cement and water for spreading on walls and ceilings to form a smooth hard surface when dried.

Source definition: Concise Oxford English Dictionary

isiZulu **udaka lokunameka**

isiZulu **udaka lokuphahleka**

plasterboard

A board made of plaster set between two sheets of paper, used especially to line inner walls.

Source definition: Concise Oxford English Dictionary

isiZulu **ipulangwe lodaka**

plinth

The portion of the external wall between the level of the street and the level of the floor first above the street.

Source definition: Theconstructioncivil.org

isiZulu **isisekelo**

isiZulu **ipilinti**

isiZulu **uxhaso**

isiZulu **ukholomu**

plum → plum stone

plumbing fixture

An exchangeable device which can be connected to a plumbing system to deliver and drain water.

Source definition: Wikipedia.org adapted

isiZulu **isisetjenziswa sokumfunza amanzi**

plum stone

A large stone or piece of solid concrete used as a filler in mass concrete.

Synonym **plum**

Source definition: Aleck Associates Ltd.

isiZulu **itshe lokugwalisa**

plywood

A type of board used for building houses, furniture etc., made from thin layers of wood that are fixed together using glue.

Source definition: Macmillan English Dictionary

isiZulu **ipulangwe**

pointing {cement}

The cement or mortar between the stones or bricks in a wall.

Source definition: Macmillan English Dictionary

isiZulu **udaka lokwakha**

poling board

A board used to support the sides of an excavated structure.

Source definition: Oxforddictionaries.com

isiZulu **ibhodi yokusekela indawo eghubiweyo ibhodi**
isiZulu **yokusekela isakhiwo embiweyo**

portal frame

A frame, usually of steel, consisting of two uprights and a cross beam at the top.

Source definition: Collinsdictionary.com

isiZulu **ifulemu lesakhiwo**
Synonym **uhlaka lesakhiwo**

portico {entryway}

A covered entryway attached to house, usually open on three sides and supported by posts or columns.

Source definition: Beaufortonline.com

isiZulu **umnyango**
isiZulu **isango**

Source definition: Yourdictionary.com

Portland cement

A kind of cement that hardens under water, made by burning a mixture of limestone and clay or materials similar.

Source definition: Yourdictionary.com

isiZulu **usemende we-Portland**

post stressed concrete

Concrete strengthened with steel wires which are stressed after the concrete has cured.

Synonym post tensioned concrete

Source definition: Aleck Associates Ltd.

isiZulu **ikhonkolo eqiniswe ngensimbi**

post-tensioned concrete → post-stressed concrete

prefabricated house

A house that is built in sections or component parts in a plant, and then assembled at the site.

Source definition: Beuafortonline.com

isiZulu **indlu iphrifebhu**

pre stressed concrete

Concrete strengthened with steel wires which are stressed before the concrete is poured.

Synonym pre tensioned concrete

Source definition: Aleck Associates Ltd.

isiZulu **ikhonkolo eqinisiwe kokucala ngensimbi**

isiZulu **khonkolo eqaliswe ngensimbi**

pre-tensioned concrete → pre-stressed concrete

primer

The first, base coat of paint when a paint job consists of two or more coats.

Source definition: Homebuildingmanual.com

isiZulu **upende wokuqala**

profilograph {instrument}

An instrument for measuring and recording roughness of the surface over which it travels.

Source definition: Thefreedictionary.com

isiZulu **iphrofilografu**

progressive collapse {demolition}

The process wherein the collapse of part of a building leads to the collapse of an adjacent part in 'house of cards' fashion.

Source definition: Aleck Associates Ltd.

isiZulu **ukubhidlizwa ngokwehlukana kwesakhiwo**

pugging {insulation}

A traditional infill between timber floor joints intended to enhance the acoustic insulation of the floor.

Source definition: Aleck Associates Ltd.

isiZulu **ukufakwa kwesivimbelimsindo**

pulley {e.g. construction}

A wheel with a grooved rim around which a cord passes, used to raise heavy weights.

Source definition: Oxford English Dictionary

isiZulu **isondo lokugjimisa intambo noma iketanga**
isiZulu **umdonso**
isiZulu **iphuli**

pulverised fuel ash

A fine white powder resulting from burning powdered coal in power stations, which can be used to supplement cement in making concrete for civil engineering works.

Synonym **fly ash**

Source definition: Aleck Associates Ltd.

isiZulu **umlotha wezibasozophuza**
isiZulu **umlotha wezibasozencushuza**

purlin

A horizontal structural member which supports a sloping roof covering, with or without rafters, and which carries the roof loads to the primary framing members.

Source definition: Aleck Associates Ltd.

isiZulu **iphelini**
isiZulu **ithandela**

putlock → putlog

putlog

A short horizontal pole projecting from a wall, on which scaffold floorboards rest.

Synonym **putlock**

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **sixhasi-sikafula**

pyramid hip roof

A roof that takes the shape of a pyramid and it is constructed on top of a square or a rectangular base.

Source definition: www.myrooff.com adapted

isiZulu **uphahla oluyiphramidi**

isiZulu **uphahla oluyisikwele mcjo**

Q

quarry

An excavation or pit, usually open to the air, from which building stone, slate, or the like, is obtained by cutting, blasting, etc.

Source definition: Dictionary.com

isiZulu **igilasi elinomumo wedayimani**

isiZulu **inkwali**

quarry tile

A man-made or machine-made clay tile used to finish a floor or wall.

Source definition: Dictionary of Construction Terminology

isiZulu **isitini sokufubla senkwali**

queen closer {brick}

A brick of normal length and thickness but of half normal width, used to complete a course or to space regular bricks.

Source definition: Thedictionary.com

isiZulu **isitini esiphungulwe emhlabweni**

Synonym **isitini esihafule emhlabweni**

queen post {roof}

A tension member in a truss that can span longer openings than a king post truss.

Source definition: Wikipedia

isiZulu **isekansika**

quoin {wall}

The external corner where two brick walls meet.

isiZulu **itshe lekhona**
isiZulu **itshe legumbi**
isiZulu **ikhoyini**

R

radon system {ventilation system}

A ventilation system beneath the floor of a basement and/or structural wood floor and designed to fan exhaust radon gas to the outside of the home.

Source definition: Homebuildingmanual.com

isiZulu **indlela yokungenisa umoya**

rafter {roof}

A large piece of wood that supports a sloping roof.

Source definition: Macmillan English Dictionary

isiZulu **umshayo**
u **umjibe**
isiZulu **umjanjatho**
isiZulu

raft foundation

A thick concrete slab reinforced with steel which covers the entire contact area of the structure like a thick floor.

Source definition: civil-engg-world.blogspot.com

isiZulu **umsahyo wesisekelo**
isiZulu **umjibewesisekelo**
isiZulu **umjanjatho wesisekelo**
isiZulu **isihlengasisekelo**

rebate {woodwork}

A groove cut along the edge of a board producing an L-shaped strip that is used as trim and in joint work in cabinet construction.

Source definition: Beaufortonline.com

isiZulu **i-rebate**

reinforced concrete

Concrete in which metal bars or wire are embedded to strengthen it.

Source definition: Concise Oxford English Dictionary

isiZulu **ikhonkolo eliqinisako**

restrainer → retarder

retarder {cement}

A substance added to slow down the rate of a chemical change, such as one added to cement to delay its setting.

Synonym restrainer

Source definition: Collins English Dictionary

isiZulu **isilibazisi**

isiZulu **isivimbeli**

reveal {architecture}

Either side surface of an aperture in a wall for a door or window.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **i-rivili**

revolving door

A door, especially at the entrance of a building, typically made of three or four rigid upright sections joined at right angles and rotating about a central upright pivot.

Source definition: Thefreedictionary.com

isiZulu **umyango oginqikayo**

isiZulu **umyango ophendukayo**

ridge {roof}

The edge formed where the two sloping sides of a roof meet at the top.

Source definition: Concise Oxford English Dictionary

isiZulu **umqolo wophahla**

isiZulu **ukhalobphahla**

ridge tile

A curved tile which covers the ridge on a pitched roof.

Source definition: Aleck Associates Ltd.

isiZulu **umbhobho wesitini sokufulela**

riprap {e.g. wall}

A sustaining wall or foundation of random stone to prevent erosion on an embankment.

Source definition: Beaufortonline.com

isiZulu **udonga elivikela ukukhukhuleka?**

riser {staircase}

A vertical board rising from the back of one tread of a staircase to the front of the next.

Source definition: Aleck Associates Ltd.

isiZulu **ukuphakama kwezithebisi**

roof light → skylight

rough arch

A brick arch in which the bricks are rectangular and the arch shape is formed by means of the mortar joints being wedge-shaped.

Source definition: Aleck Associates Ltd.

isiZulu **i-ashi yezitini ezingasikwanga**

rustication

A type of decorative masonry achieved by cutting back the edges of stones to a plane surface while leaving the central portion of the face either rough or projecting markedly.

Source definition: Britannica.com

isiZulu **i-rustication**

isiZulu **umhlobiso wezici zamatshe**

S

saddle-back roof

A double sloping roof with a ridge and gables at each end.

Source definition: Thefreedictionary.com

isiZulu **uphahla lokhalo lwegqumqa?**

sanitary engineering

The branch of civil engineering associated with the supply of water, disposal of sewage, and other public health services.

Source definition: Collinsdictionary.com

isiZulu **ubunjiniyela benkucunkucu**

sanitary sewer

A sewer system designed for the collection of waste water from the bathroom, kitchen and laundry drains, and is usually not designed to handle storm water.

Source definition: Dictionary of Construction Terminology

isiZulu **ipayipi lokuchitha inkucunkucu**

sashwindow

A window that can be opened either by sliding the bottom half up or by sliding the top half down.

Synonym **cased window**

Source definition: Meriam-Webster.com

isiZulu **ifasitela eliphakanyiswayo**

scaffold

A structure of poles and planks used by workers to stand on when building.

Source definition: Shutters Life Orientation Learners Book 2006

isiZulu **isikafodi**

scarf joint

A method of joining two members end to end in woodworking or metalworking.

Synonym **scarph joint**

Source definition: Wikipedia adapted

isiZulu **ukuhlanganiswa okuyisikafu**

isiZulu **ukudibaniswa okuyisikafu**

scarph joint → scarf joint

screed

A strip of wood, plaster, or metal placed on a wall or pavement as a guide for the even application of plaster or concrete.

Source definition: Thefreedictionary.com

isiZulu **iskridi**
isiZulu **isilinganisi**

scupper

Any opening in a wall, parapet, bridge curb, or slab that provides an outlet through which excess water can drain.

Synonym **scupper hole**

Source definition: Dictionary of Construction Terminology

isiZulu **imbobo**

~~scupper hole~~ → scupper

scuttle

A small opening or hatch with a moveable lid in the deck or hull of a ship or in the roof, wall, or floor of a building.

Source definition: Thefreedictionary.com

isiZulu **inturja**

seal coat {roads}

A thin bituminous application to a surface or wearing course to seal and waterproof small voids and to embed sand or chips to provide better traction.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **ityela**

seismic engineering → earthquake engineering

septic tank

A tank in which the solid matter of continuously flowing sewage is disintegrated by bacteria.

Source definition: Meriam-Webster.com

isiZulu **ithange lokubolisela**

sewer

A pipe or conduit which is the property of or is vested in the local authority and which is used or intended to be used for the conveyance of sewage.

Source definition: The Concrete & Mortar Handbook adapted

isiZulu **umbhobhowonkucunkucu**

sewer connection → sewer stub

sewer stub

The point at which a home's sewer line joins the municipal sewer system.

Synonym **sewer connection**

Source definition: Dictionary of Construction Terminology

isiZulu **iqhosha lokuhlanganisa**

shear wall

A rigid vertical diaphragm capable of transferring lateral forces from exterior walls, floors, and roofs to the ground foundation in a direction parallel to their planes.

Source definition: Britannica.com

isiZulu **udonga olumelana noku zamazama komhlaba**

isiZulu **udonga olunkhonkhiwe**

shed roof

A roof having only one sloping plane and no hips, ridges or valleys.

Source definition: Yourdictionary.com

isiZulu **uphahla olutshekele eceleni**

sheer legs {lifting device}

A hoisting apparatus made from poles joined at or near the top and separated at the bottom, used for lifting heavy objects.

Source definition: Concise Oxford English Dictionary

isiZulu **umshini wokufula izimpahla ezisindayo**

isiZulu **isifunquli**

shim

A small piece of scrap lumber or shingle, usually wedge shaped, which when forced behind a furring strip or framing member forces it into position.

Source definition: www.askdefine.com

isiZulu **iveji**

shingle {walls and roofs}

A rectangular wooden tile used on walls or roofs.

Source definition: Dictionary of Construction Terminology

isiZulu **ishingili**

shutter

Each of a pair of hinged panels fixed inside or outside a window that can be closed for security or privacy or to keep out the light.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isivalo sewindl**
isiZulu **isivalo sefasitela**

side sewer

The portion of the sanitary sewer which connects the interior waste water lines to the main sewer lines.

Synonym **lateral sewer**

Source definition: Dictionary of Construction Terminology

isiZulu **ipayipi yenkucunkucu eseceleni**

sill

A shelf or slab of stone, wood, or metal at the foot of a window or doorway.

Source definition: Concise Oxford English Dictionary

isiZulu **isili yefasitela**
isiZulu **isili yosango**

sill plate

The bottom horizontal member of a wall or building to which vertical members are attached.

Source definition: Wikipedia

isiZulu **ipuleti yesili**

sill seal

A type of insulation (fibreglass or foam) installed between the foundation wall and wood sill plate to fill gaps.

Source definition: Dictionary of Construction Terminology amended

isiZulu **isinamathelisi sesili**

single-pitch roof → mono-pitch roof

siphonage {plumbing}

The emptying of the seal in a trap by the aspiration of the water in the trap due to the downward rush of water and air in the pipes with which the trap is connected.

Source definition: www.wordnik.com

isiZulu **ukukhamba ngefanelo kwamanzi**

skewback {supporting wall}

An inclined part of a pier or abutment from which an arch springs.

Synonym **springer**

Source definition: Theconstructioncivil.org

isiZulu **isisekela-ashi**

skewback → springer

skirting → baseboard

skylight

An opening in a roof covered by glass or plastic material to admit natural light.

Synonym **roof light**

Source definition: Beaufortonline.com

isiZulu **ifasitela phezulu ophahleni**

slag {binder}

A latent hydraulic binder that is used in concrete and other construction applications as a partial cement replacement material.

Source definition: Afrisam.co.za

isiZulu **isibopho**

sleeper {flooring}

A wood member embedded in concrete, as in a floor, that serves to support and to fasten the subfloor or flooring.

Source definition: Homebuildingmanual.com

isiZulu **isisekeli esifakwa epulangweni**

sleeper wall

A masonry wall constructed to support a suspended ground floor.

Source definition: The Concrete & Mortar Handbook

isiZulu **ubonda lwamapulangwe**
 Synonym **udonga lwamapulangwe**

sliding door

A type of door which opens horizontally by sliding, usually parallel to a wall.

Source definition: Wikipedia

isiZulu **umyango oshelelezayo**

slurry {e.g. cement}

A thin, watery mixture of neat cement or cement and sand.

Source definition: Definitions of Civil Engineering Terms (1992)

isiZulu **udaka elilula**
 siZulu **udaka olumanzi**

soaker {metal sheet}

A metal sheet bent at a right angle, part of the waterproof flashing of the junction of a tiled or slated roof abutting a wall.

Source definition: Aleck Associates Ltd.

isiZulu **isivimbelimanzi**

soffit {architecture}

The underside of an architectural structure such as an arch or balcony.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isofithi**

soil pipe

A pipe that conveys the discharge from water closets or similar fixtures to the sanitary sewer system.

Synonym **cesspipe**

Source definition: Dictionary of Construction Terminology

isiZulu **umbhobho wenkucunkucu**
isiZulu **ipayipi yendle**

soldier {to strengthen or align}

An upright brick, timber, or other building element.

Synonym **soldier beam**

Source definition: Aleck Associates Ltd.

isiZulu **ibhimu yokuqinisa**
isiZulu **umshayo wokuqinisa**

soldier beam → soldier

sole plate

A strip of timber which is laid on top of walls to level the underside of flooring joists.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **isandlalelo sodonga**

sonotube

A large tube of compressed fibre into which wet concrete is poured and left to harden, used to form pillars.

Source definition: Oxforddictionaries.com

isiZulu **i-sonotube**

spandrel {architecture}

The almost triangular space between one side of the outer curve of an arch, a wall and the ceiling or framework.

Source definition: Concise Oxford English Dictionary

isiZulu **isipandela**

isiZulu **isipandreli**

spine wall

A load-bearing partition between the front and rear rooms of the house.

Source definition: Aleck Associates Ltd.

isiZulu **udonga**
 isiZulu **umthangala**
 isiZulu **ubonda**

spiral staircase → spiral stairway

spiral stairway

Any succession of tapered treads forming a curved stairway which extends as a single flight from one floor to another and which has a minimum radius of curvature of less than 100 mm.
 Synonym spiral staircase

Source definition: The Concrete & Mortar Handbook

isiZulu **isitezi esisongelekayo splay**

An oblique surface {bevel or chamfered}, as the jambs of a doorway or window; of which one side makes an oblique angle with the other.

Source definition: Aleck Associates Ltd.

isiZulu **intuba**
 isiZulu **indawo enable**
 isiZulu **indawo ethambekekile**
 isiZulu **indawo letshekile**

splice {steelwork connection}

A steelwork connection for joining for example two lengths of column to form a longer column.

Source definition: Aleck Associates Ltd.

isiZulu **isidibanisi**

springer {arch}

The lowest stone in an arch, where the curve begins.

Synonym skewback

Source definition: Wikipedia.org

isiZulu **isiqalogobela**
 isiZulu **isisekelo seashi**

isiZulu **isipringa**

springer → skewback

springing line

A line of intersection between the intrados and supports of an arch.

Source definition: Aleck Associates Ltd.

isiZulu **isiqondisi se-ashi**

isiZulu **umugqa wokuphambana**

sprinkler system {fire extinguisher}

An automatic fire extinguisher installed in a ceiling.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isicima umlilo**

squint brick

A brick used for forming acute or obtuse corners in brick masonry.

Source definition: Theconstructioncivil.org

isiZulu **isitini esisikwe ngokwe-engile**

isiZulu **isitini esinekhona ebukhali**

stack vent {ventilation}

A ventilating pipe connecting to a distance stack above the highest connected discharge pipe.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **umbhobho wokunghenisa umoya**

isiZulu **isiphefemulisi**

staircase → stairway

stairway

Any part of the building which provides a route of travel between different levels in such buildings and is formed by a single flight or by a combination of two or more flights and one or more intervening landings.

Synonym **staircase**

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **izitebhisi**

steelwork

A frame of steel sections supporting other parts of the structure.

Source definition: Aleck Associates Ltd.

isiZulu **uphahla lwentsimbi**

stile

A vertical piece in the frame of a panelled door or sash window.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isitebhisi sokweqa ucingo**
isiZulu **isitebhisi sokweqa uthango**

storey

A part of a building which is situated between the top of any floor and the top of the floor next above it, or if there is no floor above it that portion between such floor and the ceiling above it.

Synonym **floor**

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **isithezi**

storm drain → storm sewer

storm sewer

A sewer system designed to collect storm water and is separated from the waste water system.

Synonym **storm drain**

Source definition: Homebuildingmanual.com

isiZulu **umbhobho wamanzi ezikhukhula**

strap {support}

A component, usually steel, installed to ensure that walls are connected to and restrained by floors.

Source definition: Aleck Associates Ltd.

isiZulu **ibhande**

stretcher {brick}

A brick whose longest side is visible on the surface of the wall.

Source definition: Aleck Associates Ltd.

isiZulu **isitini esiveza uhangothi**
isiZulu **umhlubulo westini**

string course

A horizontal band or course, as of stone, projecting beyond or flush with the face of a building, often moulded and sometimes richly carved.

Source definition: Dictionary.com

isiZulu **ibhande elihlukanisa isakhiwo**

strip flooring

A floor that comprises strips of width not less than 35 mm and not more than 90 mm and that are tongued on the one edge and grooved on the opposite edge.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **indawo yaphansi enziwe ngomdweshu**
indawo yaphansi enziwe ngamathwishi

isiZulu

structural engineering

A branch of civil engineering dealing primarily with the design and construction of structures, such as bridges, buildings, dams.

Source definition: Meriam-Webster.com

isiZulu **ubujiniyela bezakhiwo**

structural glass

A glass which is cast in the form of cubes, rectangular blocks, tile, or large rectangular plates; used widely for the surfacing of walls.

Source definition: Thefreedictionary.com

isiZulu **isakhiwo sengilazi**

stucco {plaster}

A type of plaster used for covering walls and ceilings, especially one that can be formed into decorative patterns.

Source definition: Dictionary.cambridge.org

isiZulu **umhlobiso we-stucco**

stud {upright post}

An upright post in the framework of a wall for supporting sheets of lath, drywall, or similar material.

Source definition: Thefreedictionary.com

isiZulu	iqhosha
isiZulu	isitadi
isiZulu	isibonda
isiZulu	insika

sump

A pit in a basement floor which collects water and into which a sump pump is placed to remove water.

Source definition: Beaufortonline.com

isiZulu	isampu
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surveying

The setting out on the ground of the positions of proposed construction or engineering works.

Source definition: Collinsdictionary.com

isiZulu	ukuhlola
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sway brace

Metal straps or wood blocks installed diagonally on the inside of a wall from bottom to top plate, to prevent the wall from twisting, racking, or falling over "domino" fashion.

Source definition: Homebuildingmanual.com

isiZulu	isiqinisi sokutengatenga
isiZulu	isizinzisi sokutengatenga

swing door

A door that can be pushed open from either side and that swings shut when it is released.

Source definition: Meriam-Webster.com

isiZulu	umyango ojikelezayo
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T

tack weld

Short intermittent welds made to hold components in place before full welding is begun.

Source definition: Collinsdictionary.com

isiZulu **ukushisela**

tail beam {support}

A relatively short beam or joist supported in a wall on one end and by a header at the other.

Synonym **tail joist**

Source definition: Homebuildingmanual.com

isiZulu **insika lencane**

tail joist → tail beam

tandem roller {road}

A type of road roller in which the front and back wheels consist of rollers of about the same diameter.

Source definition: Collinsdictionary.com

isiZulu **ugandaganda**

tenon

A piece that is cut so that it sticks out from the end of a piece of wood and can be fitted into a hole called a mortise in another piece of wood to join them together.

Source definition: Macmillan English Dictionary

isiZulu **ikhingela**

isiZulu **ithenoni**

thatch roof

A roof covering made of straw, red palm leaves, or similar material fastened together to shed water and provide thermal insulation.

Source definition: Dictionary of Construction Terminology

isiZulu **uphahla lotshani**

theodolite

An optical instrument used by land surveyors for surveying and by engineers and builders for setting out lines and angles on the ground.

Source definition: Aleck Associates Ltd.

isiZulu **into okuklanywa ngayo izwe**

tie beam {connection}

A horizontal timber or the like for connecting two structural members to keep them from spreading apart, as a beam connecting the feet of two principal rafters in a roof truss.

Source definition: www.dictionary.com

isiZulu **isibambamishayo**

isiZulu **ifindo yomshayo**

tile

A thin slab or bent piece of baked clay, sometimes painted or glazed, used for various purposes, as to form one of the units of a roof covering, floor, or revetment.

Source definition: Dictionary.com

isiZulu **ithayela**
 isiZulu **ubumba olushisiwe**
 isiZulu **ubumba oluphekiwe**
 isiZulu **uhlobo lwesitini sokufulela**

tower crane

A crane with a fixed vertical mast that is topped by a rotating boom and equipped with a winch for hoisting and lowering loads.

Source definition: Dictionary of Construction Terminology

isiZulu **umshini wokufula izimpahla ezisindayo**

transom → transome

transome

A horizontal member in joinery, for example the part of the frame between an upper and a lower window.

Synonym **transom**

Source definition: Aleck Associates Ltd.

isiZulu **itransomi**

transportation engineering

A branch of engineering dealing with planning, designing, estimation, construction, operation, maintenance, rehabilitation and management of transportation infrastructure for movement of people and goods from one place to the other safely, timely, conveniently, comfortably, economically by using various modes like highways, railways, air ways, water ways and pipe ways also.

Source definition: Tem-uet.blogspot.com adapted

isiZulu **ubujiniyela bezokuthutha**

trap {pipe}

A U-shaped pipe below plumbing fixtures designed to create a water seal and prevent sewer odours and gases from being released into the habitable areas.

Source definition: Beaufortonline.com

isiZulu **umbhobho wokuvikela iphunga**

isiZulu **umbhobho wokuvikela ukunuka**

tread {stairway}

The horizontal upper surface of a step in a stair, on which the foot is placed.

Source definition: Dictionary.com

isiZulu **isinyathelo**

trimmer {joist}

A joist which carries extra loads, for example, those due to an opening or partition.

Source definition: Aleck Associates Ltd.

isiZulu **ijoyisti**

isiZulu **isifekethiso**

truss

A prefabricated rigid framework used for roof and floor construction.

Source definition: ehow.com

isiZulu **amakabha**

isiZulu **uhlaka lophahla**

isiZulu **amabhanuko**

turbine

A machine in which the energy of a moving fluid, e.g. water, or wind is converted into mechanical energy.

Source definition: Collins English Dictionary

isiZulu **ithebhani**

isiZulu **umshiniwokuphehla ugesi**

isiZulu **umshiniophendulwa amanzi**

turret

A small tower at the corner of a building or wall, especially of a castle.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **umbhoshongo**

U

underpinning {support}

The process of supporting the existing structure for renewing or repairing the lower walls or foundations.

Source definition: Theconstructioncivil.org

isiZulu **ukuqinisa ubonda**
 Synonym **ukuqinisa udonga**

urbanengineering

A branch of engineering that deals with the operation and problems; as laying out additions and parks, and constructing and maintaining sewer systems, waterworks, and pavements peculiar to urban life.

Source definition: Meriam-Webster.com

isiZulu **uburjiniyela basedolobheni**

V

valley {roof or wall}

An internal angle formed by the intersecting planes of a roof, or by the slope of a roof and a wall.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isigodi**

valley rafter {roof}

The rafter that follows the line of the valley and connects the ridge to the wall plate along the line where the two inclined, perpendicular sides of the roof meet.

Source definition: Dictionary of Construction Terminology

isiZulu **ikhabha**
 isiZulu **ikapaelifishane**

vault

A roof in the form of an arch or a series of arches, typical of churches and other large, formal buildings.

Source definition: Concise Oxford English Dictionary 11th Edition

isiZulu **uphahla oluyingungu**

veneer

A thin decorative covering of fine wood applied to a coarser wood or other material.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **isembozakuhlobisa ngokhuni**

vent {circulation}

A pipe built into a drainage system to provide air circulation, thus preventing siphonage and back pressure from affecting the function of the trap seals.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **imbobo**

isiZulu **isikhala**

veranda

A large, open porch, usually roofed and partly enclosed, as by a railing, often extending across the front and sides of a house.

Source definition: Dictionary.com

isiZulu **uvulande**

vitrolite {clear glass}

Panels formed of clear glass with colour glass laminated to one side and used as a wall veneer.

Source definition: Wentworthsstudio.com

isiZulu **ivithrolayithi**

voussoir

A wedge-shaped or tapered stone used to construct an arch.

Source definition: Concise Oxford English Dictionary English 11th Edition

isiZulu **i-voussoir**

isiZulu **itshe le-ashi**

isiZulu **itshe lokwakha**

isiZulu **itshe legobela**

isiZulu **itshe lengungu**

W

wainscot

The bottom part of the walls in a room, especially when it is covered with wood.

Source definition: Macmillan English Dictionary

isiZulu **umhlobisopulangwe ngaphansi kwebonda**
isiZulu **umhlobisopulangwe ngaphansi kwedonga**

wane {defective edge in timber}

A defective edge of a board due to remaining bark or a beveled end.

Source definition: Dictionary of Construction Terminology

isiZulu **sici sepulangwe**

waste pipe {plumbing}

A discharge pipe which conveys waste water only.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **umbhobho wezibi**
isiZulu **ipayipi yezibi**
isiZulu **ipayipi yamanzi angcolile**
isiZulu **umbhobho wenkucunkucu**

waste-water engineering

A branch of engineering that deals with the transportation and cleaning of blackwater, greywater, and irrigation water.

Source definition: Wikipedia.com adapted

isiZulu **uburjiniyela bokucitha amanzi angcolile**
isiZulu **ubunjiriyela bokucitha amanzi wenkucunkucu**

water seal

The water in a trap which acts as a barrier against the flow of any foul air or gas.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **isivimbeli samanzi**
isiZulu **isivalo samanzi**

water supply system

The system that supplies water throughout a building, including the service pipe(s), distribution and connecting pipes, fittings, and control valves.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **uhlelo lokuba khona kwamanzi**
isiZulu **uhlelo lwamanzi akhona**

weep hole {drainage}

An opening at the bottom of a wall which allows the drainage of water.

Source definition: Beaufortonline.com

isiZulu **umsele wokumunca amanzi**

window box → window buck

window buck

A square or rectangular box that is installed within a concrete foundation or block wall.

Synonym **window box**

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **ibhokisi lefasitela**

window frame

A supporting frame for the glass of a window.

Source definition: Google.com

isiZulu **ifulemu lefasitele**
isiZulu **ifulemu lewindi**

window sash

The operating or moveable part of a window.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **isheshi lefasitela**
isiZulu **isheshi lewindi**

wired glass

Sheet glass with wire mesh embedded in the glass to prevent shattering.

Synonym **wire glass**

Source definition: Dictionary of Construction Terminology

isiZulu **ingilazi yocingo**
isiZulu **ingilazi yothango**

wire glass → wired glass

wire nut?

A plastic device used to connect bare wires together.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **inathi yocingo**
isiZulu **imuru yocingo**

wonderboard

A panel made out of concrete and fibreglass usually used as ceramic tile backing material.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Good Practice

isiZulu **iwandabhodi**

Z

zone valve

A device, usually placed near the heater or cooler, which controls the flow of water or steam to parts of the building.

Source definition: A to Z Glossary of Definitions and Terms used in the National Building Regulation Code of Practice

isiZulu **ivalvu yokulawula ukuhamba kwamanzi**

zoning {town planning}?

A system of choosing areas to be developed for particular purposes, such as houses or shops, when planning a town.

Source definition: Dictionary of Contemporary English 6th Edition

isiZulu **ukuklanywa komkhakha womhlaba**

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