



1. INFORMATION FOR STEEL PRODUCTS AND COMPONENTS FOR CONSTRUCTION DESIGNATION

1.1 Steel products and components for construction refer to:

1.1.1 **Fabricated structural steel** which includes a wide range of free standing shapes, cross sections and sizes of steel metal pieces produced through a variety of operations according to a specific design, certain standards of chemical composition and mechanical properties. The fabricated components are produced from various primary and downstream steel products, including: channels (parallel and taper flanges); I-beams and H-beams; angles (equal and unequal); bars (flat; square and round); reinforcing bar and fasteners. The fabrication comprises of detailing (cutting, rolling, drilling, bending, grinding and machining), fitting, welding and/or, fastening, surface preparation (cleaning) and surface protection (coating) of steel components for application in an assortment structures.

1.1.2 In addition to the processes in 1.1.1; **joining components** such as gussets, cleats, stiffeners, splices, plates, cranks, kinks, doglegs, holes, girders, spacers, tabs, brackets, fasteners (bolts, nuts, rivets and nails) are used for connection and assembly of structures.

1.1.3 **Frames** refer to all rigid structures that surround doors, windows, patio, showers and built-in-cupboards made of steel.

1.1.4 **Roof Cladding** refers to a layer of covering applied to a roof in order to provide both weather protection and aesthetic appeal which consist of large sheets of material, or many small, overlapping units made of steel.

1.1.4.1 **Vertical cladding** refers to the protective or insulating layer fixed to the outside of a building or another structure for aesthetic appeal made of steel.

1.1.5 Wire Products refers to all downstream wire products manufactured from hot-rolled ferrous wire rod coils, including drawn wire — carbon/alloy steel (galvanised or plain), articles of wire — forged, wire rope/strand, fabric reinforcing, all fencing wire (barbed, welded mesh, hexagonal wire netting, diamond mesh), welding electrodes nails/tacks, chains, gabions, springs and screws.

1.1.6 **Fasteners** refer to hardware products that mechanically join or affix two or more steel components.

1.1.7 **Ducting and Structural Pipework** refers to non-conveyance tubing fabricated from steel sheeting and plate with structural supports.

1.1.8 **Gutters, downpipes & launders** refers to drainage systems made from sheeting associated with roofing.



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- 1.1.9 **Primary steel products** which includes flat and long products which are converted into value-added steel products in 1.1.1 to 1.1.8 as well as for reinforcement of buildings and structures.
- 1.2 Table 1 provides the stipulated minimum threshold for local content and production for steel products and component construction (as described in 1.1).

Table 1a: Minimum local content for Steel Value-added Products

Steel Construction Materials	Components	Local Content Threshold
Fabricated Structural Steel	Latticed steelwork, reinforcement steel, columns, beams, plate girders, rafters, bracing, cladding supports, stair stringers & treads, ladders, steel flooring, floor grating, hand-railing and balustrading, scaffolding, ducting, gutters, launders, downpipes and trusses	100%
Joining/Connecting Components	Gussets, cleats, stiffeners, splices, cranks, kinks, doglegs, spacers, tabs, brackets	100%
Frames	Doors and Windows	100%
Roof and Cladding	Bare steel cladding, galvanised steel cladding, colour coated cladding	100%
Fasteners	Bolts, nuts, rivets and nails	100%
Wire Products	All fencing products: all barbed wire and mesh fencing, fabric/mesh reinforcing, gabions, wire rope/strand and chains, welding electrodes, nails/tacks, springs and screws	100%
Ducting and Structural Pipework	Non-conveyance tubing fabricated from steel sheeting and plate with structural supports	100%
Gutters, downpipes & launders	Fabricated materials made from sheeting associated with roof drainage systems	100%

Table 1 b: Minimum local content for Primary Steel Products

Steel Construction Materials	Local Content
Plates (>4.5mm thick and supplied in flat pieces)	100%
Sheets (<4.5mm thick and supplied in coils)	100%
Galvanised and Colour Coated Coils	100%
Wire Rod and Drawn Wire	100%
Sections (Channels; Angles, I-Beams and H-Beams)	100%
Reinforcing bars	100%



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- 1.3 In the designation, imported inputs raw materials (i.e. zinc and additives in the surface preparation and protection processes (cleaning and coating/galvanising)) used in the production of steel products and components for construction are deemed as locally manufactured input materials.
- 1.4 The imported input raw materials, as specified in 1,3, used in the manufacture and production of steel products and components for construction will be deemed to have been sourced locally for the purposes of calculating local content.
- 1.5 The application of this designation is applicable where an organ of state purchases directly from the manufacturer, in a case of turnkey projects (design, build, operate and/or transfer) and/or on purchases for maintenance and repairs where a contract is awarded for a project which the designated products are part of the bill of quantities or materials to be utilised in the entire project.
- 1.6 For further information, bidders and procuring State Organs may contact the Director Metals Fabrication, Capital and Rail Transport Equipment Unit within the dtic at telephone 012 394 1356 or email localcontent@thedtic.gov.za.