



HIGH SECURITY WELD MESH


Tradia Enterprises CC Reg No. 85/08802/23

www.tradiasteel.co.za

admin@tradiasteel.co.za

+27(0)18 290 5031

Cell: 082 8811 540 / 076 118 2117

Panel Name & Description	
Wire Fence Product	Double Reinforced MAX Secure Fence Panel
Description & Image  <p>PANEL SYSTEM FENCE APERTURE: 12.7x76.2xØ4xØ5.6 Ø5.6mm DOUBLE WIRES EVERY 152.4mm</p>	Double Reinforced MAX Secure Fence Panel fabricated with high tensile process wire in an ISO accredited production facility with local, South African, input material. All input material to be substantiated with supplier Quality Accreditation Certificates.
	Cross Wires (vertical) shall be a minimum of 4mm, on 5.6mm Main Wires (horizontal), reinforced with an additional high tensile horizontal Main Wire bar of 5.6mm in diameter, inserted at a minimum interval of 152.4mm from the top to the bottom of the panel.
	The top and bottom Main Wires shall include the additional reinforcement of 5.6mm Main Wire bars as per specification above. Core input process wire shall be high tensile (≥ 450 MPa), lightly galvanised with a minimum average Zinc Mass (g/m^2) of 70 g/m^2 .
	Fence panel shall be Hot Dip galvanised, after fabrication / welding, by a Supplier accredited with the Hot Dip Galvanizers Association of Southern Africa, at a minimum coating thickness (μm) of $150 \mu\text{m}$.
Panel Size	
Width (mm)	3,300
Height (mm)	2,400
Standard Panel Specification	
Standard Aperture vertical (mm)	12.7
Standard Aperture horizontal (mm)	76.2
Average Vertical Aperture Range (mm)	12 - 12.7
Average Horizontal Aperture Range (mm)	75 - 76.2
Weld Shear Strength (Nm)	≥ 20
High Tensile Input (Pre-Fabrication) Wire Specification(s)	
Cross / Vertical Wire:	
Diameter of Core vertical Cross Wire (mm)	4
Core Input Product Description	Process Wire - Lightly Galvanised
Average Tensile Strength (MPa)	650
Average Zinc Mass (g/m^2)	74
Chemical Analysis:	
%C	0.10 max
%Mn	0.3 - 0.5
%Si	0.14 - 0.35
%S	0.030 max
%P	0.030 max
Manufacturer Quality Control System	ISO 9001:2015 Approved

Main / Horizontal Wire:	
Diameter of Core vertical Cross Wire (mm)	5.6
Core Input Product Description	Process Wire - Lightly Galvanised
Average Tensile Strength (MPa)	489
Average Zinc Mass (g/m ²)	101
Average Elongation (%)	14
Chemical Analysis:	
%C	0.07 max
%Mn	0.3 - 0.5
%Si	0.12 - 0.20
%S	0.025 max
%P	0.025 max
Quality Management System	ISO 9001 : 2015
REINFORCEMENT - Additional Main Wire ("AMW") bar Inclusion	
Size of additional Main Wire bar (mm)	5.6
Minumum spacing horizontal AMW (mm) bar	150 - 152.4
Average Tensile Strength (MPa)	485
Total number of AMW bars per panel (no.)	17
Illustrative Image	
REINFORCEMENT - RIGIDITY V-Brace Bends ("VBB")	
Total number of V-Brace Bends per panel	4 x Double 35° Horizontal V-Brace Bends
Illustrative Image	
REINFORCEMENT - Panel Top & Bottom Band(s)	
Finish	Flush finish to enhance anti-scaling
Additional Rigidity Reinforcement	Double 5.6mm High Tensile Main Wires
Ave. Total Main Bar Size Top & Bottom (mm)	11.2

Fence Panel Fabrication Facility	
Quality Control Accreditation(s) /	ISO 9001 : 2008
Quality Management Systems	ISO 14001 : 2004
	SABS Approved- Reinforcing Mesh
Final Coating : Hot Dip Galvanizing	
Supplier Membership	Hot Dip Galvanizers Association of Southern Africa
Quality Control	South African Burea of Standards (SABS) Approved
	SANS 121 : 2011
Quality Management System	ISO 9001 : 2008
Minimum Zinc Mass (g/m²)	505
Average Coating Thickness (µm)	165