ROOFINGS GROUP
Product Catalogue

ROOFINGS
Strength of a nation

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ROOFINGS
Strength of a nation

WHO WE ARE

Roofings Group has been actively manufacturing steel products in Uganda for over two decades now. The founder and current Chairman, Dr. Sikander Lalani ventured into the steel industry in 1974 in Rwanda. With an experience of over 40 years, Dr. Lalani together with his team of professionals have worked tirelessly to ensure that the group of companies uphold the very best standards in their business processes which has without a doubt reflected on the world class quality products which the company offers to the market. The business philosophy of the company revolves around transparency, ethics and integrity, innovation, customer focus and value for money. The fact that Roofings Group is the market leader in the supply of steel products for construction shows that the business model of Roofings Group has been tried and tested, which ensures that sustainability in the business is guaranteed for generations to come.

Roofings Group has invested over $260 million in Uganda and has 2 separate entities operating under its umbrella; Roofings Limited and Roofings Rolling Mills. Roofings Group is fully ISO certified in: Quality management systems (ISO 9001), Occupational Health and Safety Management System (OHSAS 18001) and Environmental Management System (ISO 14001).

Roofings Limited is located on plot 126 Entebbe Road, Lubowa estate, approx 6km from Kampala city. Roofings Limited mainly engages in cold forming and produces a vast range of steel and plastic products for the construction sector and irrigation system. The range of items can be clearly seen in the content of this catalogue. The Lubowa plant is the headquarters for the group and has a capacity to produce 170,000 tons per annum. It also houses Roofings Polypipes a 5 million dollar plant with installed capacity of 1000kg per hour of PVC, HDPE and PPR pipes.Roofings Limited is also certified by Uganda National Bureau of Standards.

Roofings Rolling Mills (RRM) is a $145 million investment and is one of the largest and most modern steel complexes operating in East and Central Africa. Based in the industrial park, RRM is strategically located to serve both the local Ugandan market and the markets of EAC and COMESA. It has access to Lake Victoria through Port Bell, roads and railway lines to cater Tanzania, Burundi, Rwanda, DRC and Southern Sudan. RRM is a backward integrated plant which produces inputs for the steel industry.

The 3 unit complex consists of; Phase (I) Wire galvanizing plant, Phase (ii) Hot rolling (Rebar) mill, Phase (iii) Cold rolling mill with Galvanizing and color-coating lines. The third phase is the largest of all, comprising of a $125 million investment. The project was financed by a consortium of banks and the International Finance Corporation (IFC). The equity is 92% from Roofings Limited and the Lalani family and 8% is injected from both Yodogawa Steel Works (YSW) a Japanese producer of Coated coils for the last 75 years and Fijiden International Corporation, a trading company based in Osaka, Japan. YSW has been supplying Roofings Group the legendary high quality coated coils which have been so popular in the Ugandan and regional markets since we started making Roofings sheets in 1995. What better way to ensure the same high quality and consistency than to venture into a partnership with the experts in this field. Uganda is assured of world class roofing sheets for generations to come.

WHAT WE ARE ABOUT

VISION

To be an **accelerator**
for a **sustainable Africa**

MISSION

Producing **sustainable building materials**
that enrich communities in Africa

CORE VALUES

Integrity
We are ethical, honest, and genuine in all that we do and live by our values.

Accountability
We set objectives and are responsible for achieving them both individually and collectively.

Respect
We value all our employees for their abilities, qualities and achievements as their role is key to the success of the organization.

Sustainability
We build capacity to ensure business continuity, we put our customers first and ensure we positively impact the environment with our activities.

Professionalism
We develop a team-oriented work force with strong communication, interpersonal and problem-solving skills, motivating each other to realize our true potential.

DR. SIKANDER LALANI
CHAIRMAN/MANAGING DIRECTOR

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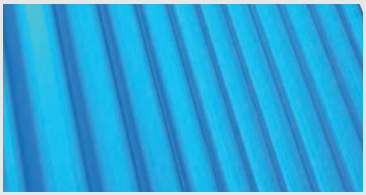


INTRODUCTION OF AZED

Roofings Group is the first producer of AluZinc (AZED) iron sheets in Uganda. AluZinc (AZED) iron sheets is a superior product known for its excellent corrosion resistance and heat reflectivity. With a lifespan of up to five times that of ordinary galvanized sheets, AZED sheets deliver outstanding durability.

The alloy coated product nominally contains 55% aluminum, 43.4% zinc and 1.6% silicon by weight. Applied by the traditional hot-dipping process, the product is ideal for applica- tions that require superior corrosion resistance and heat reflectivity.

AZED sheets are ideally suited for most types of roofing and siding applications as well as unexposed automotive parts, appliances and miscellaneous applications like furniture, outdoor cabinetry, computer cases, gutters, pipe, etc. The AZED coils manufactured by us, have excellent Aluminium/Zinc adhesion and corrosion resistance. A suitable chemical (passivation) treatment on the coated surface to prevent formation of white rust further enhances the corrosion reistance. The mixture of hydrgen and nitrogen gas protect strip from oxidation besides preparing strip for zinc coating. Online X-ray coating weight guage controls accuracy and uniformity of coating across the width and length of strip, while skin pass mill and tension leveler ensure flatness of strip.

AZED sheet provides long-term corrosion protection at edges, damged areas, and tension bends. Building inspections have confirmed that AZED resistance to corrosion is much higher than that of galvanized steel. This coating has superior corrosion resistance which gives it up to five times the lifespan over traditional galvanized metal.
The product's shiny spangled appearance is attractive enough to be used even without painting. The AZED sheet is a unique product which is suitable for heating and ventilation applications. It has better resistance towards oxidation and can withstand temperatures up to 3150C without discoloration.

PRODUCT SPECIFICATIONS

Substrate Material	Cold rolled low carbon steel
Strip thickness (mm)	0.15 to 0.80mm
Strip width (mm)	600 to 1250mm
Yield strength (Mpa)	250 to 700
Coil weight (MT)	2 to 20 MT
Coil ID (mm)	508mm
Type of coating	(55% Al, 43.4%Zn-1.6%Si) alloy
Range of coating (g/m2)	70 to 150
Type of surface coating	Chrome passivation

ROOFINGS IRON SHEETS - AZED BRAND
Sheet standards:

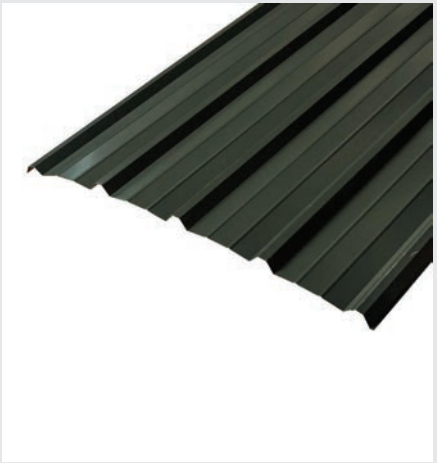
EAS 410-2005, US 540 AZED sheets and US EAS 468:2013 pre-painted AZED sheets are of superior quality.

ALUZINC (AZED) & PRE-PAINTED (PPAZ) COILS

1. Pre-painted and AZED coils are annealed to facilitate roll forming, adequate adherence of Aluminum Zinc coating to the base metal, flexibility during heat expansion and contraction for increased longevity.
2. An in built groove on one side has been incorporated in Super V, Super VI, Eco Tile, Super Tile and Super Eco profiled sheets. The groove prevents water lift due to capillary action, hence no leakage and therefore water sealant is not required.
3. Pre-painted plain sheets are available in different widths; 1.0 m and 1.14 m depending on the thickness.
4. AZED plain sheets are available in different widths; 0.914 m, 0.975 m & 1.0 m depending on the thickness.
5. Sheets can be supplied in any length between 1.2 meters to 12 meters depending on the thickness.
6. Profiles that are produced include; Ordinary Corrugation, Super Eco, Super Tile, Super V, Super VI, Ecotiles, Plain Sheets and Bull Nose/crimped.
7. Special orders are produced within 48 hours.
8. All Roofing accessories are available under one roof.
9. All our color coated sheets and coils are skin passed with a coating class AZ85 as per US 540:2006

ROOFINGS SUPER ECO-NOMICAL

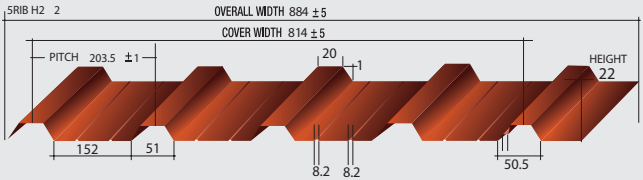
The Roofings Super Eco is made from pre-painted Aluminum Zinc iron sheets and combines increased longevity with low maintenance costs. Super Eco sheets are suitable for both residential and commercial purposes and provide a classic cladding for industrial structures such as factories, warehouses, malls and hotels.



Physical Quality Parameter For Super Eco Roof Sheet

Input Width	975 -1000 mm
Overall Width	885 mm
Cover width	814 mm
Pitch	203.5 mm
No of trough	4
Depth of trough	22 mm
Ridge Top	20 mm
Ridge Base	51 mm
Thickness	0.25-0.6 mm
Min. Length	1200 mm
Maxi. Length	12000 mm
Zinc coating class	A28S

DIMENSIONAL DRAWING & TECHNICAL SPECIFICATIONS OF SUPER ECO R-04:



Description	Metal Thickness in (mm)				
	0.25	0.32	0.40	0.50	0.60
Moment of Inertia 1xx (mm4)	15183 904	19314 1150	23939 1427	31831 1899	35138 2099
Section Modulus Zb (mm3)	2814	3567	4415	5849	6438
Self Weight (Kg/m)	2.15	2.76	3.38	4.54	5.02

(A) Roofings Super Eco

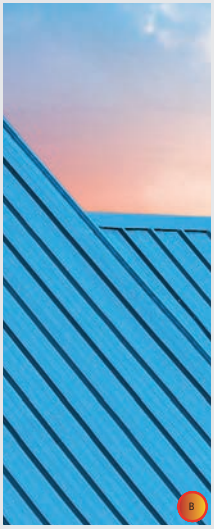
R-05: Load carrying capacities for Super Eco (kg/m) simply supported at two points.

Distance between Supports (M)	Metal Thickness in (mm)				
	0.25	0.32	0.40	0.50	0.60
1.25	205	255	315	420	465
1.50	140	175	220	290	320
1.75	105	130	160	215	235
2.00	80	95	125	160	180
2.25	65	75	95	130	140
2.50	50	60	80	105	115
2.75	45	50	65	85	95
3.00	35	45	55	70	80
3.25	30	35	45	60	65
3.50	25	30	40	50	55

Double Coat Longer Life

R-06: Load carrying capacities for Super Eco (kg/m) continuous over one internal support.

Distance between Supports (M)	Metal Thickness in (mm)				
	0.25	0.32	0.40	0.50	0.60
1.25	300	380	475	625	690
1.50	210	265	330	435	480
1.75	155	195	240	320	350
2.00	115	150	185	245	270
2.25	90	115	145	195	210
2.50	75	95	115	155	170
2.75	60	80	95	130	140
3.00	50	65	80	110	120
3.25	45	55	70	90	102
3.50	35	50	60	80	85



(A) Roofings Super Eco (Red) (B) Roofings Super Eco (Blue)

ROOFINGS SHEETS

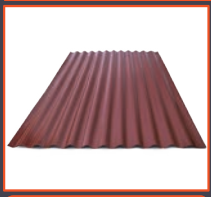
Aluminium & zinc coated | Heat resistant | Resistant to rust

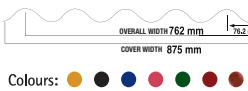
customer care
TOLL FREE 0800 240 100

ROOFINGS
Strength of a nation

Every profile comes in glossy and wrinkle finish

ORDINARY/ROUND CORRUGATION





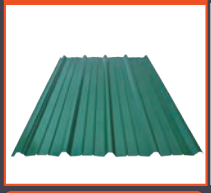
Colours:

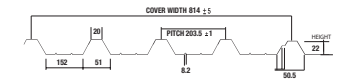
NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Ordinary & Round Corrugated, both prepainted and non prepainted

Material Input width (mm)	975
thickness (mm)	0.5, 0.4, 0.32, 0.25, 0.20
Pitch/Corrug. Width (mm)	76.2±2
Cover Width (mm)	762
Number of Corrugations	11
Pitch/Corrug. Depth (mm)	18±1.5
Barrel Corrugated (mm)	0.32 & Below
Length Roll Forming (mm)	1500 to 12000
Length Barrel Corrug. (mm)	1800 to 3660
Substrate Coating	AZED
Paint Coating Classification	CLASS 2 (Two Coats)

SUPER ECO





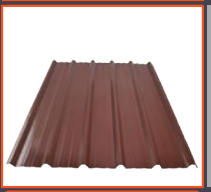
Colours:

NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

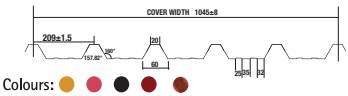
Physical Quality Parameters for Super Eco Roof Sheet

Material input width (mm)	975–1000
Cover Width (mm)	814±2
Pitch (mm)	203.5±2
No. of Troughs	4
Depth of Trough (mm)	22±1.5
Ridge Top (mm)	20
Ridge Base (mm)	51
Thickness (mm)	0.5, 0.4, 0.32, 0.25
Min. Length (mm)	1200
Max. Length (mm)	12000

SUPER ECO PLUS



Also available in Wrinkle Finish



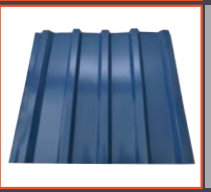
Colours:

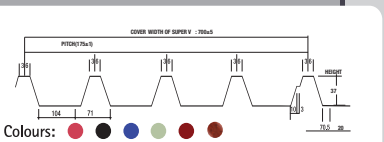
NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Super Eco Plus Roof Sheet

Material Input Width (mm)	1220
Cover Width (mm)	1045 +/– 8
Pitch (mm)	209 +/– 2
Small Grooves (mm)	2 spaced 35mm
Thickness (mm)	0.25–0.60
No. of Troughs	5
Depth of Trough (mm)	22.5
% Cover Width/Input Material	85.65%
Special Feature	Capillary Groove

SUPER V





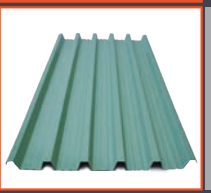
Colours:

NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

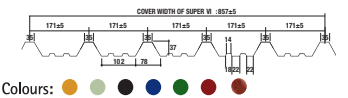
Physical Quality Parameters for Super V Roof Sheet

Material Input width (mm)	1000
Cover Width (mm)	700±5
Pitch (mm)	175
No. of Troughs	4
Depth of Trough (mm)	37
Ridge Top (mm)	36
Ridge Base (mm)	104
Thickness (mm)	0.4, 0.5, 0.6
Min. Length (mm)	1200
Max. Length (mm)	12000
Substrate Coating	AZED
Paint Coating Classification	CLASS 2 (Two Coats)

SUPER VI



Also available in Wrinkle Finish



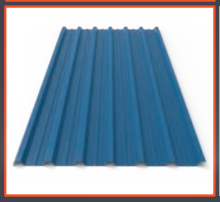
Colours:

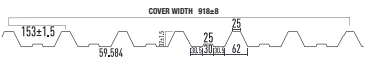
NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Super VI Roof Sheet

Material Input width (mm)	1140
Cover Width (mm)	857±5
Pitch Width (mm)	168±3
No. of Troughs	5
Depth of Trough (mm)	37
Ridge Top (mm)	32
Ridge Base (mm)	102
Thickness (mm)	0.32–0.60
Min. Length (mm)	1200
Max. Length (mm)	12000
% Cover Width/Input Material	73.68%
Company name embossed	ROOFINGS

SUPER VII





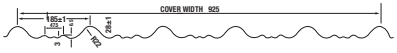
Colours:

NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Super VII Roof Sheet

Material Width (mm)	1220
Cover Width (mm)	918 +/-5
Pitch (mm)	153±2
Small Grooves (mm)	2 spaced 50mm
Thickness (mm)	0.32-0.60
No. of Troughs	6
Depth of Trough (mm)	32 +/-1
% Cover Width/Input Material	75.25%
Special Feature	Capillary Groove
Company Name	Printed

SUPER TILE



Colours:

NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Super Tile

Material Input width (mm)	1140
cover width (mm)	925±2
Pitch (mm)	185±2
Thickness (mm)	0.32, 0.4
No. of corrugations	6
Depth of Trough (mm)	22
Crimp depth (mm)	15±1
Tile length (mm)	300
% cover width vs input material	81.14%
Company Name Embossed	Printed

SUPER TILE PLUS

Also available in Wrinkle Finish

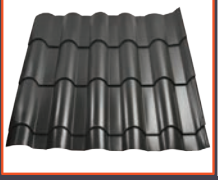
Colours:

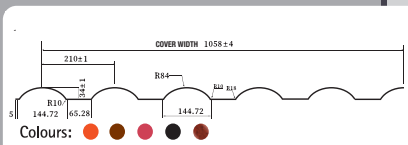
NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for super tile plus

Material Input width (mm)	1220
cover width (mm)	1015±5
Pitch (mm)	205
No. of corrugations	6
Crimp depth (mm)	15
Tile length (mm)	300
% cover width vs input material	84.01%
Thickness (mm)	0.32, 0.40

BAMBOO TILE





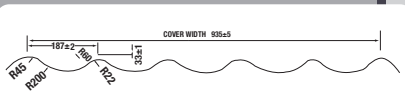
Colours:

NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Bamboo tile

Material Input width (mm)	1220
cover width (mm)	1058±4
Pitch (mm)	210
No. of corrugations	5
Crimp depth (mm)	14
Tile length (mm)	300
Form length less half corrugation	1050

ECO TILE



Colours:

NOTE: special colors is subject to a lead time for supply and minimum order qty of 10mt

Physical Quality Parameters for Eco Tile

Material Input width (mm)	1140
cover width (mm)	935±5
Pitch (mm)	185±2
Thickness (mm)	0.32,0.4
No. of corrugations	6
Crimp depth (mm)	10±1
Tile length (mm)	300
% cover width vs input material	82.45%
Company Name Embossed	Printed

Always check the laser print of our company on all our products not to be duped.
Please note that we have uniform prices across all our outlets and factories.

SUPER TILE AND ECO TILE

Wrinkle Finish

Glossy

Roofings has introduced a new texture finish.

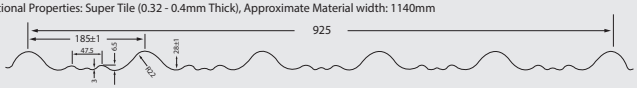
In a continuous effort to provide new and innovative product solutions to our clients, Roofings has introduced new and superior roof profiles in our product range: in addition to our well known glossy finish, The Roofings Wrinkle Finish in Super Tile and Eco Tile. These new unique roof tiles can be utilized for Residential & Commercial Purposes as may be required by construction companies. The sheets are available in the following colours; Black, Chocolate Brown, Brick Red, Maroon, Tile Red, Harvest Gold and Super Green for both glossy and wrinkle finish.

Sheet type	S/T	E/T
Cover Width	925 mm	935 mm
Weight per meter		
Gauge 28	3kg	3kg
Gauge 26	3.7kg	3.7kg
Press Depth	14 mm	10 mm
Sheets Thickness		
Gauge 28	0.32 mm	0.32 mm
Gauge 26	0.4 mm	0.4 mm
Min. Length	1200 mm	1200 mm
Max. Length	8000 mm	8000 mm
Coating Class	AZ85	AZ85
Steel Purlins	100x50x2mm	
Up to	150x75mm	
Trusses		
Spacing: 900 mm c/c with a step of 300 mm per groove		

SPECIFICATIONS OF SUPER & ECO TILE

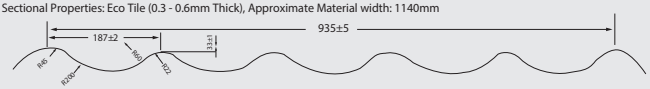
File: PRB-030

Sectional Properties: Super Tile (0.32 - 0.4mm Thick), Approximate Material width: 1140mm



File: PRB-4-037

Sectional Properties: Eco Tile (0.3 - 0.6mm Thick), Approximate Material width: 1140mm



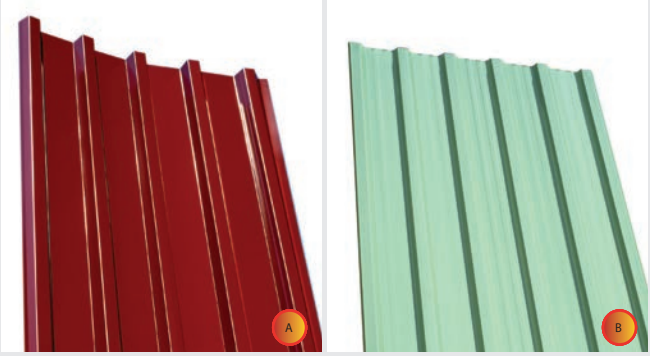
R-07: Sectional Properties for Super Tile

Description	Metal Thickness in (mm)	
	0.32	0.4
Moment of Inertia 1xx(mm^4)	28493	38005
Top Section Modulus Zxx(mm^3)	1433.9	1908.3
Bottom Section Modulus Zxx(mm^3)	3135.5	4156.6
Self weight (Kg/m)	2.95	3.7

R-08: Sectional Properties for Eco Tile

Description	Metal Thickness in (mm)	
	0.32	0.4
Moment of Inertia 1xx(mm^4)	42842	57135
Top Section Modulus Zxx(mm^3)	2254.6	2999.4
Bottom Section Modulus Zxx(mm^3)	2995.3	3979.8
Self Weight (Kg/m)	2.95	3.8

SUPER V & VI PROFILE



The Roofings **Super V and Super VI Roof Sheets** are suitable for commercial structures such as shopping malls, factories and general industrial buildings. They can further be utilized for the construction of structures such as canopies for fuel stations, entertainment centers, bodies for commercial vehicles and composite flooring. The difference between Super V and Super VI is that the net effective coverage of Super V is 700 mm compared to a wider coverage of 830 mm for Super VI.

(A) Roofings Super V (Red) (B) Roofings Super VI (Light Green)

PROUDLY UGANDAN

WHEN EVERY OTHER ROOF AGES,

ROOFINGS AZED COLOURED

WILL BE THE LAST ROOF STANDING

LASTS UP TO 5 TIMES LONGER

Super Tile

Roofings AZED coloured iron sheets are coated with Aluminium and Zinc to last up to 5 times longer than ordinary iron sheets. Also available in various Colours, Designs and Textures.

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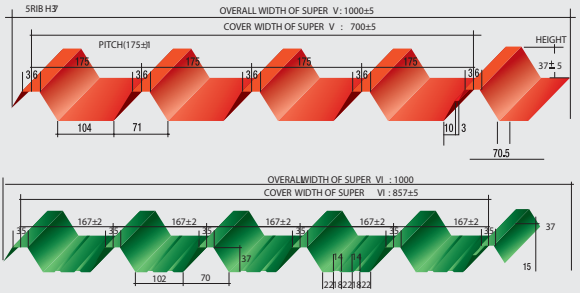
DIMENSIONAL DRAWINGS & TECHNICAL SPECIFICATIONS OF SUPER V & VI PROFILE

Physical Quality Parameter for Super V Roof Sheet	
Sheet Width	1000 mm
Overall Width	784 mm
Cover width	700 mm
Pitch	175 mm
No. of Trough	4
Depth of Trough	37 mm
Ridge Top	36 mm
Ridge Base	71 mm
Thickness	0.4 - 0.6 mm
Min. Length	1200 mm
Max. Length	12000 mm

Physical Quality Parameter for Super VI Roof Sheet	
Sheet Width	1140
Overall Width	920-5 mm
Cover Width	830 mm
Pitch	171.5 mm
No. of Trough	5
Depth of Trough	37 mm
Ridge Top	32 mm
Ridge Base	102 mm
Thickness	0.32 - 0.60 mm
Min. Length	1200 mm
Max. Length	12000 mm

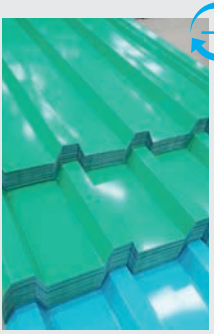


(A) Roofings Super V Sheets

R-01: section properties for Super V and Super VI

Description				
	0.32	0.40	0.50	0.60
Moment of Inertia 1xx (mm^4)	72846	90409	120796	133655
Top Section Modulus Zb (mm^3)	3199	3999	5240	5800
Bottom Section Modulus Zb (mm^3)	5119	6283	8659	9576
Self Weight (kg/m)	2.76	3.38	4.54	5.02

A



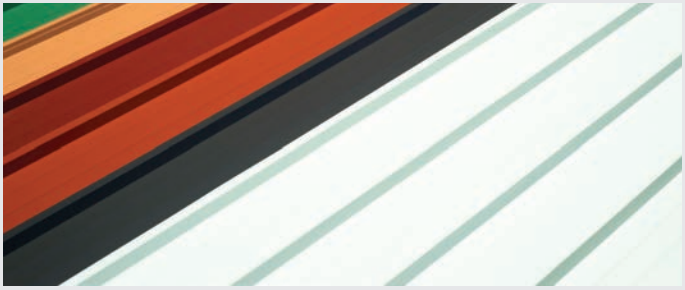
R-02: Load carrying capacities for Super V and super VI (kg/m) supported at two points.

Distance between Supports (M)	Metal Thickness in (mm)			
	0.32	0.40	0.50	0.60
1.25	365	450	615	680
1.50	250	310	430	470
1.75	185	225	315	345
2.00	140	175	240	265
2.50	90	110	150	165
2.75	75	90	125	140
3.00	60	75	105	115
3.25	50	65	90	95

Double Coat Longer Life

R-03: Load carrying capacities for Super V and Super VI (kg/m) over one internal support

Distance between Supports (M)	Metal Thickness in (mm)		
	0.40	0.50	0.60
1.25	670	925	1025
1.50	465	640	710
1.75	340	470	520
2.00	260	360	395
2.50	205	285	310
2.75	165	225	250
3.00	115	155	175
3.25	95	135	145



(A) Roofings Super V(Green) (B) Roofings Super Eco (C) Roofings Super V(Blue)

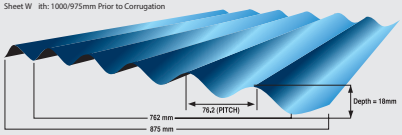
ORDINARY/ ROUND CORRUGATION OC++

Ordinary Round Corrugation is used for roofing domestic and industrial structures. Another application for this simple but reliable sheet is the fabrication of water tanks. They are available in AZED plain and AZED coloured

DIMENSIONAL DRAWING & TECHNICAL SPECIFICATIONS OF ROUND CORRUGATION

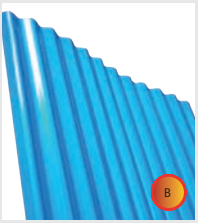
Physical Quality Parameter for Ordinary/Round Corrugation

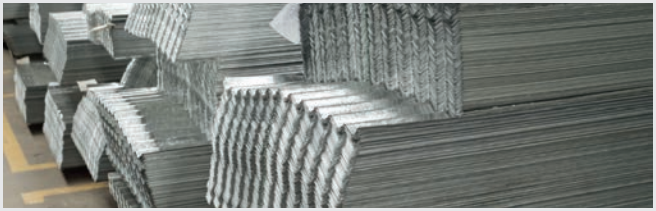
Roll Forming	0.2mm to 0.60 mm
Barrel Corrugated	0.2mm & below
Length Roll Forming	1500 to 12000 mm
Length Barrel Corrug.	1800 to 3660 mm



R-09: Section Properties for Round Corrugation

Description	Metal Thickness in (mm)				
	0.25	0.32	0.40	0.50	0.60
Moment of Inertia 1xx (mm^4)	27809	31418	35690	43096	46295
Section Modulus Zb (mm^3)	2374	3088	3938	5391	6015
Self Weight (Kg/m)	2.15	2.76	3.38	4.54	5.02





(A) Ordinary Corrugated AZED Roofings Sheets

ALL NEW

GOLDEN OAK

DARK WALNUT

Roofings Wood Finish

AZED Sheets

Available in all profiles

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ROOFINGS
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From the most environmentally friendly factory

For all your steel and plastic construction materials,
from foundation to the roof.

Why Wood Finish ?

Here's 7 top reasons!

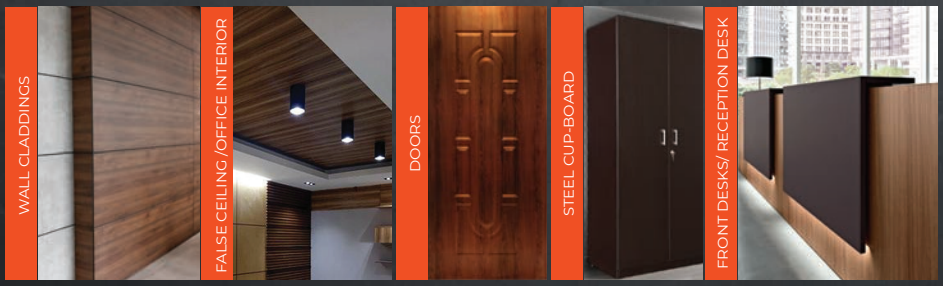
- Excellent Fire Resistance.
- Superior Impact Resistance.
- Weather resistance.
- Durability & Flexibility.
- Super peeling resistance
- Even Coating & Various colours.
- Excellent surface flatness and smoothness.

Product Accessories

Eco ridges | **Ridges** | **Gutters** | **Valleys** | **Flashings**

Applications

Wood finish can also be applicable in the following ways



Always check the laser print of our company on all our products not to be duped.
Please note that we have uniform prices across all our outlets and factories.

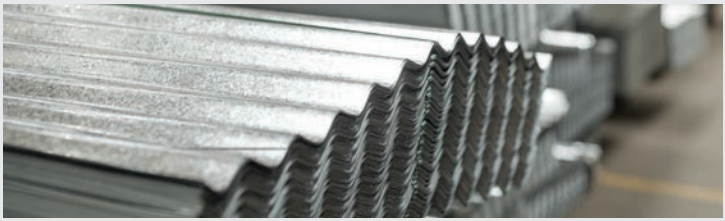
R-10: Load carrying capacities for Round Corrugation (Kg/m) supported at two points.

Distance between Supports (M)	Metal Thickness in (mm)				
	0.25	0.32	0.40	0.50	0.60
1.25	170	220	280	385	430
1.50	115	150	195	265	295
1.75	85	110	140	195	215
2.00	65	85	110	150	165
2.25	50	65	85	115	130
2.50	40	55	70	95	105
2.75	36	45	55	75	85
3.00	33	41	45	65	70
3.25	31	37	41	55	60

Double Coat Longer Life

R-11: Load carrying capacities for Round Corrugation (Kg/m) over one internal support.

Distance between Supports (M)	Metal Thickness in (mm)				
	0.25	0.32	0.40	0.50	0.60
1.25	255	330	420	575	640
1.50	175	230	290	400	445
1.75	130	165	215	295	325
2.00	95	125	165	215	250
2.25	75	100	130	175	195
2.50	60	80	105	140	160
2.75	50	65	85	115	130
3.00	40	55	70	100	110
3.25	35	45	60	80	90



(B&C) Ordinary Corrugated Roofings Pre-Painted Sheets (D) Ordinary Corrugated Aluzinc Roofings Sheets

WHEN EVERY OTHER ROOF AGES,

ROOFINGS AZED COLOURED

WILL BE THE LAST ROOF STANDING

LASTS UP TO 5 TIMES LONGER

Roofings AZED coloured iron sheets are coated with Aluminium and Zinc to last up to 5 times longer than ordinary iron sheets.
Also available in various colours, designs and textures.

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PLAIN SHEETS

Plain sheets do not go through a forming process and are smooth in finishing and made of the highest quality steel.
Plain sheets are used as an undercover material for Clay tile roofs as a better option to using polythene materials. This also makes it cheaper and long lasting.
Plain sheets are also used to make suit cases, water filters, ridges, valleys, down pipes, watering can and other sheet metal works

ALUZINC (AZED) & PRE-PAINTED (PPAZ) COILS

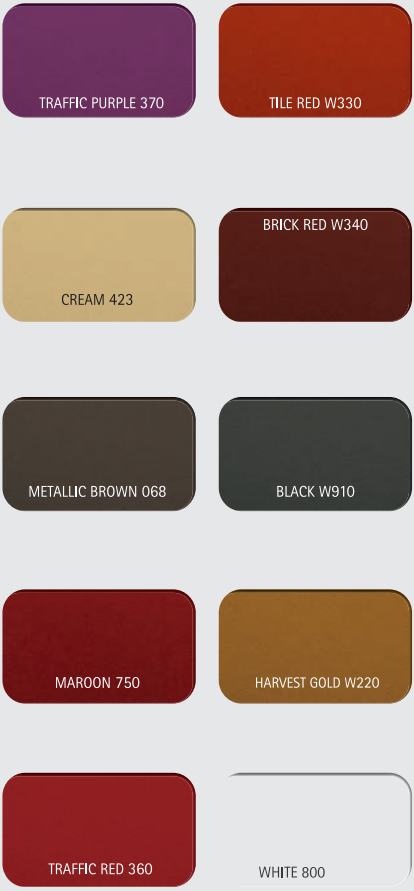
The Aluzinc coils manufactured by us, have excellent Aluzinc adhesion and corrosion resistance. A suitable chemical (passivation) treatment on the coated surface to prevent formation of white rust further enhances the corrosion resistance before the furnace ensures excellent Aluzinc adherence. The mixture of hydrogen and nitrogen gas protects strip from oxidation besides preparing strip for Aluzinc coating.

Online X-ray coating weight gauge measures accuracy and uniformity of coating across the width and length of strip, while skin pass mill and tension leveler ensures flatness of strip.

The Aluminiun zinc line includes the most modern non-oxidizing furnace, with a 4-high skin pass and tension leveling facility (Hitachi, Japan) to produce Aluminiun zinc and skin passed material without spangles, for color coating applications of aesthetic appeal. Material with as coated surface (Regular spangle) is suitable for various applications in construction, roofings and cladding, white goods etc.

ROOFING SHEETS COLOR & PROFILES

SPECIAL COLORS



STANDARD COLORS

*CAN BE SUPPLIED SUBJECT TO LEAD TIME AND MINIMUM ORDER QUALITY (10MT).

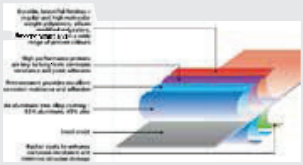
W DENOTES - WRINKLE FINISH/MATT FINISH.

PRODUCT ATTRIBUTES AND BENEFITS

- Superior Corrosion Resistance: It is proved that AZED products last longer thangal vanized products.
- Heat Reflectivity: The higher heat reflectivity of AZED roofing ensures lower temperature inside the building, therefore lower energy consumption.
- Attractive Appearance: AZED has smooth surface that is aesthetically pleasing and makes for a superior surface for pre-painting and post-painting.
- Durability (longer life): AZED continues to demostrate durability, edge protection and resistance to corrosion even after a number of years of outdoor exposure under marine, industrial and rural conditions.
- High temperature performance: AZED (AlZnSi alloy) resists high temperatures far more effectively than galvanized steel.
- Superior Abrasion resistance: AZED (AlZnSi alloy) is twice as hard as galvanized product.

ROOFINGS AZED SHEETS

STRUCTURE OF PPAZ



BUILDINGS	Pre-engineered and custom built for housing (Commercial and industrial use), roofing and siding, awnings and decking, wall cladding, rainwater goods and accessories, fencings, hangers (aircraft), chimney pipe and conduits.
AUTOMOTIVE INDUSTRY	Exhaust mufflers, oil filter tubes, heat shields and car wash components.
CONSTRUCTION	Window frames, ceiling, door frames, pre-fabricated garage, utility sheds, site fencing and AC ducting.
HOUSEHOLD APPLIANCES	Refrigerator panels, cooking hoods.
ELECTRICAL AND LIGHTING EQUIPMENT	Fluorescent light housings, switch boxes, motor cases and distribution boards.
FURNITURE AND OFFICE EQUIPMENT	Steel furnace, partition filing and cabinets.
AGRICULTURE	Farm equipment, sheds/water tanks and fences.
DECORATIVE	Architectural panels, curtain walling, panels
ADVERTISING	Vending machines, display cases, signboards and highway sign billboard.

ALUMINUM ZINC EXPANDED METAL LATH

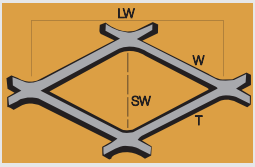
Roofings AZED expanded metal lath is manufactured using high quality AZED sheets with exact gauges ensuring outstanding tensile strength against stress at any angle. Applications: Expanded metal is used for concrete and ceiling reinforcement.

GEM 12

Size in Feet	Gauge	Packing
8 X 2	G26	10
6 X2	G26	10

GEM - 13:

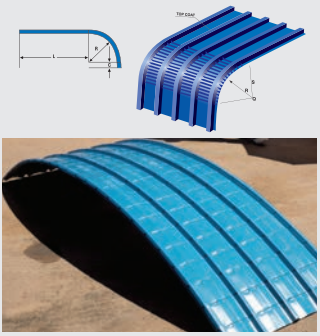
SW	Short Wave length	11mm
LW	Long Wave length	22 mm
W	Width	590 mm
T	Thickness	0.7 mm



BULL NOSE / CRIMPED SHEET

In order for Roofings to manufacture the correct specification of Bull Nose / Crimped sheets, the customer has to furnish a detailed drawing including the radius and length of the sheets. At present Super V and Super Eco are the only possible profiles for crimping.

Applications include canopies for commercial vehicles and artistic design for entertainment centers as well as great finishing on hotels, malls, factories and restaurants. It is also used on ordinary houses, on top of the windows to prevent direct sunlight and rain from entering the house and is used on walkways, car porches and open bar shelters.



Technical Specifications for Bull Nose Sheets

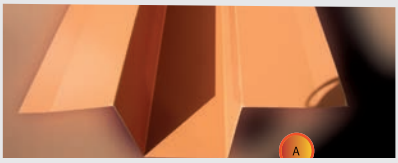
R: Radius of curvature (Max. 600 mm)
L: Lap min 500 mm.
C: Starting Point

Crimping Machine Specifications

Max. length:	3000 mm
Min. length:	1800 mm
Downward Curve & Upward Curve	
Thickness:	Min. 0.25 mm to Max. 0.60 mm
Radius:	Min. 250 mm - Max. 600 mm
Start Point:	Max. 500 mm for 500r
Max.	50 mm for 250r
Pitch:	Min. 22 mm - Max. 65 mm
Tolerance:	+50 mm

VALLEYS, RIDGES, FLASHINGS AND GUTTERS

Roofings offers accessories like gutters, valleys, ridges and flashings all from galvanized and pre-painted material.



TMX 500 C REBAR

Sizes: 8mm,10mm,12mm,20mm, 25mm, 26mm,32mm

Standard	: US EAS 412-2 2019 I 4449: 2005
Grade	: 500
Ribs &Tolerance	: DIN 488

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ROOFINGS
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From the most environmentally friendly factory

For all your steel and plastic construction materials,
from foundation to the roof.

CUT & BEND SERVICES

Our Cut & Bend State-of-Art machine can cut & bend to precision as per your request.

Tolerances on cutting and bending dimensions

The tolerances for cutting and / or bending dimensions shall be in accordance with the table below and shall be taken into account when completing the schedule.

Cutting and bending processes	Tolerances (mm)
Cutting of straight lengths (including reinforcement for subsequent bending)	+5, -5
Bending: 1000 mm >1000 mm to 2000 mm Minimum Hook length: 75mm	 +5, -25 +5, -10 +5, -25
Tolerances for shape code, stock lengths, shall be subject to the relevant product standard, e.g. BS 8666:2005	

Why use our cut and bend

01 Factory auto bending of all bars thus zero wastage on site as a result of manual cutting & bending.

02 It reduces the manpower required on construction sites.

03 It provides precision and uniformity of the profiles since material is pre-bent in factory.

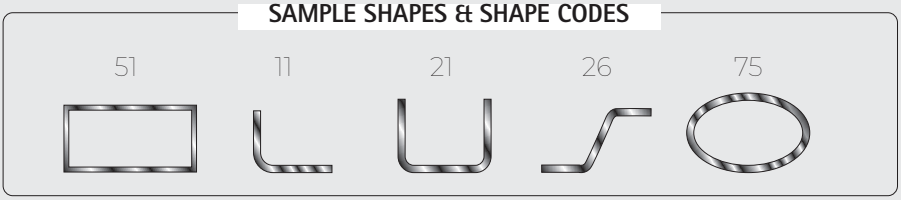
04 The material is supplied already bent as per the bending schedule and casting plan.

05 It leaves and maintains a clean construction site.

06 Accident free site

07 Eventual cost savings as a result of the above on material, manpower, project time, accident free etc

SAMPLE SHAPES & SHAPE CODES



Please note that all shape codes can be produced

33

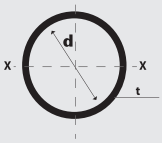
HOLLOW SECTIONS

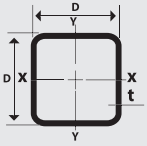
Roofings Limited tubes are produced by application of tensile forces on steel skelp with the help of high frequency induction welding conforming to JIS G 3444:1993 and US EAS 134:2013.

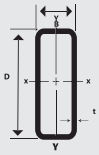
Roofings Limited is currently equipped with four State - of - the - Art tube mills having installed production capacity of 4,200 metric tonnes per month in round, square & rectangle tubes

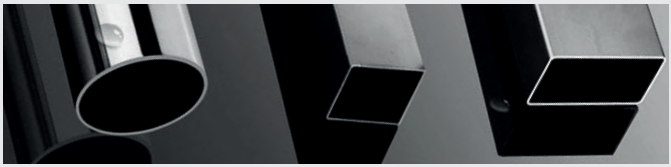
Finished tubes are strapped in bundles of square, rectangular and hexagonal shapes for stability when stacking or loading onto various modes of transportation.

Standard Length	6000 mm
Minimum Length	4000 mm
Maximum Length	12000 mm









HS-14: Technical Specification for Round Tubes

Outside Diameter (mm)	Wall Thickness (mm)	Weight (Kg/m)	Section Area $(mm)^2$	Moment of Inertia $(X10^3)$ mm^4	Radius of Gyration (cm)	Modulus of Section (cm^3)
16	1.0	0.354	45.10	0.108	0.490	0.144
	1.2	0.43	52.00	1.25	0.480	0.170
20	1.0	0.480	60.80	0.27	0.666	0.270
	1.2	0.57	70.84	3.14	0.660	0.310
	1.5	0.69	87.14	3.75	0.650	0.380
25	1.0	0.601	76.50	0.544	0.843	0.435
	1.2	0.73	89.68	6.37	0.830	0.510
	1.5	0.91	110.69	7.67	0.820	0.610
	2.0	1.19	144.44	9.62	0.800	0.770
32	1.0	0.773	98.50	1.171	1.090	0.732
	1.2	0.94	116.05	13.78	1.080	0.860
	1.5	1.17	143.66	16.74	1.070	1.050
	2.0	1.53	188.40	21.29	1.050	1.330
	3.0	2.27	273.18	29.03	1.010	1.810
38	1.2	1.12	138.66	23.50	1.290	1.240
	1.5	1.39	171.92	28.68	1.280	1.510
	2.0	1.87	226.08	36.74	1.260	1.930
42	1.0	1.020	129.90	2.708	1.444	1.290
	1.2	1.21	153.73	32.02	1.440	1.520
	1.5	1.50	190.76	39.16	1.420	1.860
	2.0	1.96	251.20	50.37	1.400	2.400
	3.0	2.94	367.38	70.26	1.360	3.350
48	1.2	1.42	176.34	48.31	1.650	2.010
	1.5	1.75	219.02	59.26	1.640	2.470
	2.0	2.29	288.88	76.75	1.620	3.190
	3.0	3.41	423.90	107.78	1.580	4.490
63	1.2	1.85	232.86	111.21	2.180	3.530
	1.5	2.30	289.67	137.03	2.170	4.350
	2.0	3.01	383.08	178.37	2.150	5.660
	3.0	4.51	565.20	254.98	2.100	8.090
76	2.0	3.64	464.72	318.33	2.600	8.380
	3.0	5.44	687.66	458.84	2.560	12.07

- Round hollow sections diameter 63-76 can be used as poles for small structures like car sheds etc.

HS-15: Technical Specifications for Square Tubes

Size DxD (mm)	Wall Thickness (mm)	Sectional Area (cm^2)	Weight (Kg/m)	Moment of Inertia I		Radius of Gyration R		Modulus of Section Z	
				($xxmm^4$)	($yymm^4$)	(xxmm)	(yymm)	($xxmm^3$)	($yymm^3$)
16 x 16	1	0.61	0.48	2260	2260	6.09	6.09	282.5	282.5
	1.2	0.72	0.57	2610	2610	6.02	6.02	326.3	326.3
	1.5	0.89	0.70	3081	3081	5.87	5.87	385	385
20 x 20	1	0.79	0.62	4585	4585	7.6	7.6	458.5	458.5
	1.2	0.93	0.73	5337	5337	7.55	7.55	533.7	533.7
	1.5	1.16	0.91	6373	6373	7.4	7.4	637	637
	2	1.50	1.18	7872	7872	7.2	7.2	787	787
25 x 25	1	1	0.79	9232	9232	9.58	9.58	738.5	738.5
	1.2	1.14	0.94	10812	10812	9.49	9.49	865	865
	1.5	1.41	1.11	13031	13031	9.34	9.34	1042	1042
	2	1.84	1.44	16345	16345	9.1	9.1	1307.6	1307.6
30 x 30	1	1.19	0.94	16278.6	16278.6	11.67	11.67	1085	1085
	1.2	1.42	1.12	19143	19143	11.57	11.57	1276.23	1276.23
	1.5	1.77	1.39	23213	23213	11.45	11.45	1547	1547
	2	2.32	1.82	29419	29419	11.2	11.2	1961	1961
40 x 40	1	1.51	1.19	39572	39572	16.18	16.18	1978.6	1978.6
	1.2	1.8	1.45	46773.5	46773.5	16.09	16.09	2338.7	2338.7
	1.5	2.23	1.75	57153	57153	16	16	2857.7	2857.7
	2	2.92	2.29	73365	73365	15.9	15.9	3668	3668
	2.5	3.75	2.94	88281.2	88281.2	15.3	15.3	4414.1	4414.1
	3	4.44	3.41	96638	96638	15.4	15.4	4832	4832
50 x 50	1.2	2.35	1.85	93027.6	93027.6	19.9	19.9	3721	3721
	1.5	2.93	2.3	114193	114193	19.7	19.7	4568	4568
	2	3.83	3.01	147712	147712	19.64	19.64	5908.5	5908.5
	2.5	4.75	3.73	179114.5	179114.5	19.4	19.4	7164.6	7164.6
	3	5.74	4.51	208492	208492	19.05	19.05	8339.68	8339.68
60 x 60	2	4.64	3.64	260458.7	260458.7	23.69	23.69	8682	8682
	3	6.96	5.44	371412	371412	23.15	23.15	12380	12380

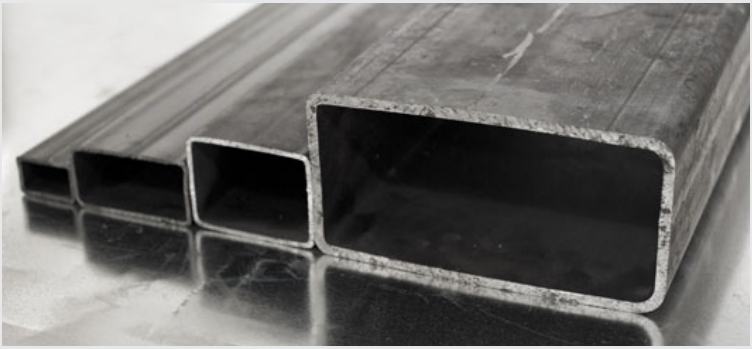
APPLICATIONS FOR TUBES

- Furniture fabrication, chairs, beds and tables, for both domestic and industrial use.
- Fabrication of Wheelbarrows.
- Burglar proof security grill and bars.
- Fabrication of vehicles / truck bodies.
- Structures for tents.
- Fabrication of doors and windows for both domestic and industrial purposes.
- Sizes such as 60×40×3 mm, 80x40 mm are used for both Purlins and Rafters on light commercial, industrial and domestic structures.
- Similar size dimensions are used in the fabrication of truck bodies (depending on vehicle size).

HS-16: Technical Specifications for Rectangular Tubes

Size DxD (mm	Wall Thickness (mm)	Sectional Area (cm^2)	Weight (kg/m)	Moment of Inertia I		Radius of Gyration R		Modulus of SectionZ	
				(xxmm^4)	(yymm^4)	(xxmm)	(yymm)	(xxmm^3)	(yymm^3)
30 x 20	1.0	0.96	0.76	6392.00	12072.00	7.98	10.96	639.20	804.80
	1.2	1.14	0.94	7461.00	141464.00	7.89	10.86	746.09	944.26
	1.5	1.41	1.11	8945.70	17115.70	7.74	10.70	894.57	1141.05
	2.0	1.84	1.44	11125.00	21565.00	7.55	10.51	1112.50	1437.70
40 x 20	1.0	1.19	0.94	8198.70	24358.70	8.28	14.28	819.87	1217.90
	1.2	1.43	1.12	9584.43	28702.50	8.19	14.17	958.40	1435.10
	1.5	1.77	1.39	11518.20	34908.00	8.07	14.04	1151.80	1745.40
	2.0	2.32	1.82	14378.70	44458.70	7.87	13.84	1437.87	2222.93
40 x 25	1.0	1.29	1.01	13554.50	28162.00	10.25	14.77	1084.36	1408.00
	1.2	1.54	1.21	15914.70	33220.00	10.17	14.70	1273.00	1661.00
	1.5	1.90	1.50	19252.00	40469.50	10.00	14.57	1540.00	2023.47
	2.0	2.52	1.96	24300.00	51685.30	9.82	14.32	1944.00	2584.00
	3.0	3.50	2.78	31152.70	67522.74	9.43	13.89	2492.20	3376.10
50 x 25	1.2	1.80	1.42	19316.00	57298.80	11.35	19.54	1545.30	2292.00
	1.5	2.23	1.75	23399.50	70074.50	10.23	17.70	1871.96	2803.00
	2.0	2.92	2.29	29603.70	90078.00	10.00	17.50	2368.00	3603.00
	3.0	4.06	3.41	39954.00	125542.00	9.60	16.00	3196.00	5021.00
60 x 40	1.0	1.96	1.534	54785.00	102145.00	16.72	22.83	2739.3	3404.8
	1.2	2.36	1.85	64844.60	121210.00	16.60	22.70	3242.00	4040.00
	1.5	2.93	2.30	79398.00	148988.00	16.50	22.50	3969.90	4966.30
	2.0	3.83	3.01	102272.00	193152.00	16.34	22.50	5113.60	6438.00
	3.0	5.75	4.51	143132.00	273852.00	16.78	21.83	7156.60	9128.40
80 x 40	1.2	2.82	2.209	82915.70	242495.00	17.14	29.312	4145.8	6062.4
	1.5	3.53	2.77	101643.00	299023.00	17.00	29.10	5082.16	7475.58
	2.0	4.64	3.64	131178.70	389738.70	16.85	28.98	6558.93	9743.47
	3.0	6.93	5.44	184292.00	558532.00	16.30	28.38	9214.60	13963.30

- Thicker sizes are used as rails and columns or beams for industrial structures like fuel stations, hotels, industries, factories, hospitals, etc.



HS-17: Technical Specifications for Structural Round Tubes

Sized (mm)	Wall Thickness (mm)	Weight Kg/m	Sectional Area (cm^2)	Moment of Inertia I		Radius of Gyration R		Modulus of Section Z	
				(xx cm^4)	(yy cm^4)	(xx cm)	(yy cm)	(xx cm^3)	(yy cm^3)
RD 100	3.00	7.26	9.24	107.62	107.622	3.41	3.413	21.52	21.524
	4.00	9.61	12.25	139.22	139.22	3.37	3.37	27.84	27.84

HS-18: Technical Specifications for Structural Square Tubes

Size (mm)	Wall Thickness (mm)	Weight kg/m	Sectional Area (cm^2)	Moment of Inertia I		Radius of Gyration R		Section Modulus Z	
				Ixx cm^4	Iyy cm^4	Ixx cm	Iyy cm	Zxx cm^3	Zyy cm^3
75 x 75	2.50	7.25	5.69	63.6	63.6	2.96	2.96	16.96	16.96
	3.00	8.64	6.78	74.700	74.700	2.940	2.940	19.900	19.900
	4.00	11.36	8.92	95.700	95.700	2.900	2.900	26.000	26.000
100 x 100	3.00	11.64	9.14	182.00	182.00	3.960	3.960	36.500	36.500
	4.00	15.36	12	236.00	236.00	3.920	3.920	47.200	47.200
	6.00	22.56	17.70	333.00	333.00	3.850	3.850	66.700	66.700
125 x 125	4.00	19.36	15.20	472.00	472.00	4.950	4.950	75.500	75.500
	6.00	28.56	22.4	675.00	675.00	4.870	4.870	108.000	108.000
150 x 150	4.00	23.36	18.3	830.00	830.00	5.960	5.960	110.000	110.000
	6.00	34.56	27.1	1196.00	1196.00	5.880	5.880	159.000	159.000

HS-19: Mechanical properties for round, square and rectangular hollow sections

Mechanical Properties	Grade 210
Tensile Strength	340N / mm^2
Minimum Yield Stress	210N / mm^2
Minimum Elongation	24%
Chemical Composition Maximum Content (%)	
Carbon	0.20
Phosphorous	0.25

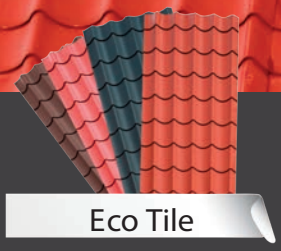
PROUDLY UGANDAN

WHEN EVERY OTHER ROOF AGES,

ROOFINGS AZED COLOURED

WILL BE THE LAST ROOF STANDING

UP TO 5 TIMES LASTS LONGER



Eco Tile

Roofings AZED coloured iron sheets are coated with Aluminium and Zinc to last up to 5 times longer than ordinary iron sheets. Also available in various Colours, Designs and Textures.

ROOFINGS
Strength of a nation

REASONS TO BUY

ROOFINGS AZED SHEETS

1

Aluminium & Zinc coated

2

More heat resistant

3

Also available in various colours, designs and textures

4

Made with environmentally friendly technology

5

Resistant to rust

LASTS UP TO 5 TIMES LONGER THAN ORDINARY SHEETS

ROOFINGS
Strength of a nation

HS-20: Technical Specifications for Structural Rectangular Tubes

Size (mm)	Wall Thickness (mm)	Weight kg/(m)	Sectional Area (cm^2)	Moment of Inertia I		Radius of Gyration R		Section Modulus Z	
				xx cm4	Iyy cm^4	Ixx cm	Iyy cm	Zxx cm^3	Zyy cm^3
80 x 60	2.00	5.42	4.26	32.78	51.14	2.46	3.07	0.82	1.17
	3.00	8	6.28	46.90	73.65	2.42	3.03	1.17	9.21
	4.00	10.5	8.24	59.64	94.26	2.38	3.00	1.49	8.98
	6.00	15.22	11.94	81.33	130.23	2.31	2.93	2.03	8.56
100 x 50	2.50	7.25	5.69	32.0	95.15	2.10	3.62	12.81	19.03
	3.00	8.64	6.78	37.40	112	2.08	3.60	14.90	22.40
	4.00	11.3	8.92	47.30	144	2.04	3.56	18.90	28.80
125 x 75	3.00	11.64	9.14	113	251	3.13	4.65	30.3	40.2
	4.00	15.30	12	146	326	3.09	4.61	38.9	52.2
	6.00	22.50	17.70	203	463	3.01	4.53	54.40	74.10
150 x 100	3.00	14.60	11.40	253	473	4.16	5.69	50.60	63.10
	4.00	19.30	15.20	328	617	4.12	5.65	65.7	82.3
	6.00	28.50	22.40	466	885	4.04	5.57	93.20	118.00
200 x 100	4.00	23.3	23.30	420	1240	4.25	7.30	84.0	124.0
	6.00	34.5	34.50	599	1793	4.16	7.20	119.00	179.00

HS-21: Dimensional Tolerances for round, square and rectangular hollow section

Characteristic	Tolerance
Outside dimensions	±1.5 mm
Deviation from straightness	0.17 % of total length
Squareness of corners	$90^0 \pm 2^0$
Twist	Not to exceed 2 mm ± 0.5 mm per metre
Concavity/convexity	lower than 5 mm ± 10 %
	above 5 mm ± 0.5 mm
Outside bend radii for right angle bends	If thickness is less than 6 mm, tolerance is between 1.5t to 2.5t If thickness is between 6 mm to 8 mm, tolerance is between 2t to 3t
Length (6 metres) Standard	0 and + 10 mm
Thickness	± 3 % for 1 mm
	above 1 mm ± 7.5 %
Mass per metre for 1 mm thick	± 3.0 %
Mass per metre for above 1 mm thick	± 6.0 %
Deviation from out of roundness	For D/T ratio ≤ 100: ± 2 %
	For D/T ratio > 100: ± 2 % by agreement

This tolerance shall be measured at a distance of not less than 100 mm from the end of the section.

MILD STEEL HOT ROLLED & COLD ROLLED PLATES

These plates are made from hot rolled coils (HRC) of the highest quality that conforms to international standards and quality parameters. (EN 10025, ISO 630-part 1&2, JIS G 3445, JIS G 3193, JIS G 3132). The standard plate size is 8 ft x 4 ft, however for special orders Roofings can cut any length between 0.6 m up to 8 m in bulk.

CRC PLATES

They come in 8 x 4 ft and in stock 0.7 mm, 0.8 mm, 1.0 mm, 1.2 mm, 2.0 mm.

The uses are

- Control panels
- Cabinets
- Wheelbarrows
- Roller shutters
- Drums of oil

MSP-23:

Size (ft)	length (mm)	Width (mm)	Thickness (mm)	Weight/pc (kg)
8 x 4	2440	1220	0.60	13.99
8 x 4	2440	1220	0.70	16.27
8 x 4	2440	1220	0.80	18.59
8 x 4	2440	1220	0.90	21.61
8 x 4	2440	1220	1.00	22.52
8 x 4	2440	1220	1.20	27.70
8 x 4	2440	1220	1.50	33.66
8 x 4	2440	1220	2.00	44.24
8 x 4	2440	1220	2.50	59.14
8 x 4	2440	1220	3.00	65.37
8 x 4	2440	1220	4.00	89.65
8 x 4	2440	1220	5.00	112.91
8 x 4	2440	1220	6.00	136.95
8 x 4	2440	1220	7.00	167.20
8 x 4	2440	1220	8.00	187.31
8 x 4	2440	1220	10.00	234.14
8 x 4	2440	1220	12.00	280.97
8 x 4	2440	1220	15.00	351.21
8 x 4	2440	1220	20.00	468.00
8 x 4	2440	1220	25.00	585.00

MILD STEEL EXPANDED METAL

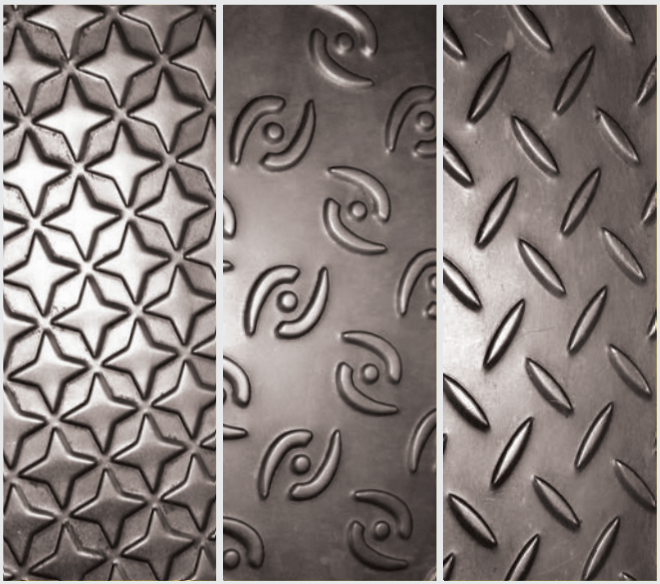
MSEM-26: Technical Specifications for Mild Steel Expanded Metal

Mild Steel Expanded Metal Specification / Options			
SN	Details	Standard	Non Standard
1	Size	8 ft x 4 ft	z x 4 ft
2	Pitch	½" x 1" and 1" x 2"	-
3	Weight	5.0kg & 6.5kg	-
4	Thickness	1.2 mm	1.8 mm - 3.00 mm
5	Material	Mild Steel	-
6	Strength	480 - 570 mpa	

APPLICATIONS OF MILD STEEL EXPANDED METAL

- Residential Slabs
- Soil Conditioning
- Retaining Walls
- Industrial Slabs
- Concrete Bridge Columns
- Fabrication Work
- Precast Structures
- Fencing
- For construction works like concrete ceilings, aggregate sieving.
- Agriculture, for making pig sty and chicken pens, rabbit pens.
- Industrial application such as machine guards, vehicle bodies.
- Domestic application such as trays for utensils, ventilations, restaurant chairs.

EMBOSSED PLATES



Thickness (mm)	Width (mm)	Length (mm)	Weight per pc (kg)
0.6	1220	2440	14.14
0.7	1220	2440	16.36
0.8	1220	2440	18.62
0.9	1220	2440	21.55
1	1220	2440	23.20
1.2	1220	2440	27.51
1.5	1220	2440	33.66

APPLICATIONS OF EMBOSSED PLATES

- Doors
- Gates
- Truck Bodies & Floors
- Factory Floors
- Stairs
- Walkways & Platforms
- Weighing Scale Platform
- Trench Covers
- Manhole Covers
- Storage Units

OPEN PROFILES

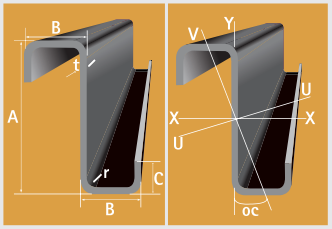
Z - PURLINS

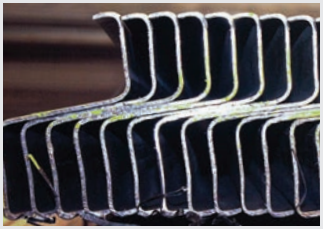
OP-27: Technical Specifications for Z-Purlins

Size (mm) AxB	Wall thickness (mm)	Weight /kg (M)	Moment of Inertia I		Radius of Gyration R		Modulus of Section Z	
			(xx cm^4)	(yy cm^4)	(xx cm)	(yy cm)	(xx cm^3)	(yy cm^3)
100 x 50	2.00	3.20	70.10	33.87	3.83	2.70	13.81	6.80
115 x 50	2.00	3.75	98.24	33.89	4.47	2.82	17.19	6.80
130 x 50	2.00	3.96	125.99	33.87	4.94	2.56	19.84	6.80
150 x 50	2.00	4.01	194.14	33.87	5.85	2.44	25.47	6.80
175 x 65	2.00	5.18	331.70	36.1	6.97	3.04	37.31	10.10

APPLICATIONS OF Z-PURLINS

- Used as Purlins for commercial, industrial and domestic structures.
- Used as rafters for industrial structures such as factories.





LOUVERS

From mild steel plates, Roofings can offer extra accessories such as louvers - which can be used in windows, gates and garage doors in the following sizes:

- 1.22m x 75 mm x 1.0 mm
- 1.22m x 75 mm x 1.2 mm
- 1.22m x 75 mm x 1.5 mm

APPLICATIONS

These come in 73 mm x 1220 mm used in the fabrication of

- Window Frames

FACIA BOARDS

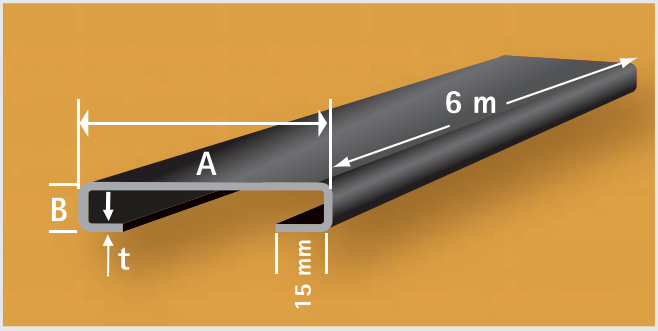
OP-28:

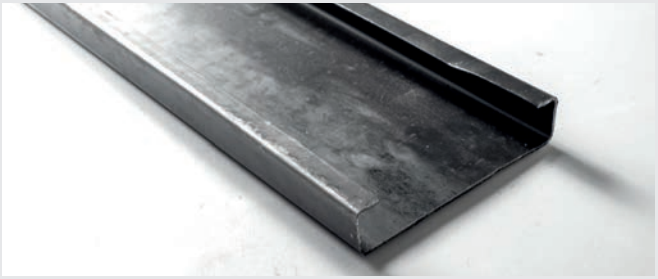
Size AxB (mm)	Thickness	Weight/pc (kg)
150 x 30	1.2	13.0
	1.5	15.5
200 x 30	1.2	16.0
	1.5	19.5

* Standard length 6 m

APPLICATIONS OF FACIA BOARDS

- Window Frames
- Roof Facia

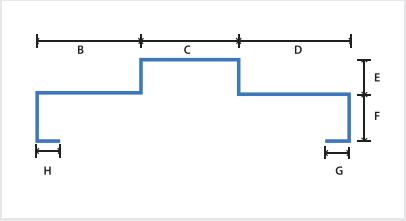


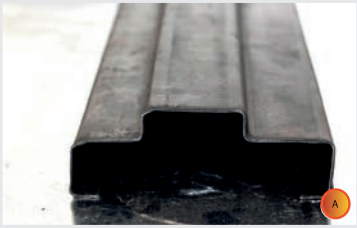


DOOR FRAMES

OP-30: Technical Specifications for Door Frames

Nominal size	Dimensions						Thickness	Mass
	B	C	D	E	F	G/H	t	w
	mm	mm	mm	mm	mm	mm	mm	kg/m
135	45	50	35	15	30	15	1	1.7
135	45	50	35	15	30	15	1.2	2.03
135	45	50	35	15	30	15	1.5	2.46





APPLICATIONS OF DOOR FRAMES

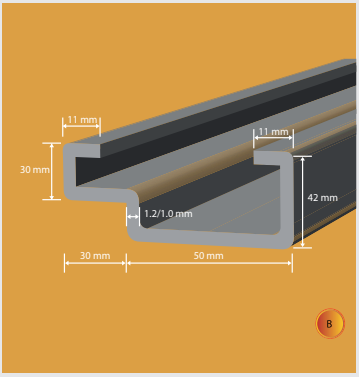
- Door Frames
- Window Frames

SINGLE DOOR FRAMES

This new profile eliminates the extra free recess in the commonly used door frame thus saving on the material used to manufacture it by 19%, in turn lowering the cost of the final product.

OP-31: Technical Specifications for Single Door Frames

	Thickness (mm)	Weight (Kg) For 6M Pc
Single Door Frame	1.00	8.75
	1.20	10.47



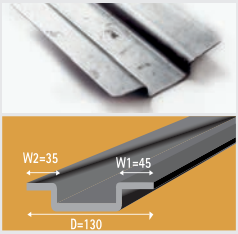
APPLICATIONS OF DOOR FRAMES

- Door Frames
- Window Frames

(A) Double Door Frame (B) Single Door Frame

OP-32: OMEGA SECTIONS

Dimensions in (mm)			
D	W1	W2	T
130	45	35	1.2
130	45	35	1.5
130	45	35	2.0

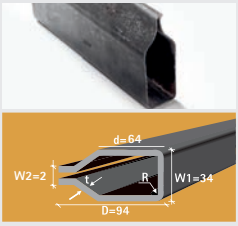


APPLICATIONS OF OMEGA SECTIONS

- Window Frames
- Door Frames
- Stiffeners

OP-33: BOTTLE SECTIONS

Dimensions in (mm)			
D	W1	W2	T
94	34	2	1.2
94	34	2	1.5
94	34	2	2.0



APPLICATIONS OF BOTTLE SECTIONS

- Doors frames
- Billboards
- Window Frames

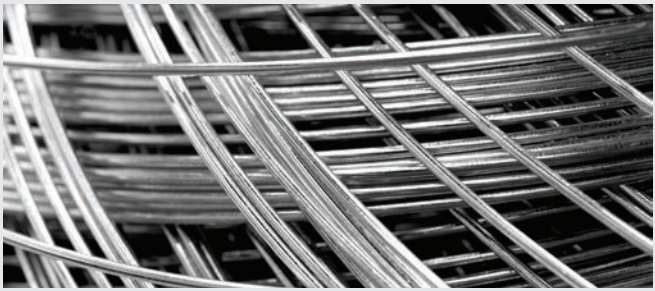
SLITTED COILS

Slitted Coils are available to customer specified width between 40 mm to 1800 mm and standard thickness from 0.8 mm up to 6 mm.

APPLICATIONS OF SLITTED COILS

- Tubes
- Door Frames
- Roller Shutters
- Angles
- Z-Purlins
- Louvers
- Window Frames

WIRE PRODUCTS



WP-35: WIRE NAILS

Sizes (inches)	Length (cm)	Wire Diameter (mm)	Standard Weight per Bag (kg)	Standard Weight per Bag (kg)
6.0	15.0	6.00	25	50
5.0	12.5	5.50	25	50
4.0	10.0	5.00	25	50
3.0	7.50	4.00	25	50
2.5	6.50	3.40	25	50
2.0	5.00	3.00	25	50
1.5	4.00	2.65	25	50
1.0	2.50	2.00	25	50

APPLICATIONS OF WIRE NAILS

- Construction
- Carpentry & Woodwork

WP-36: U-NAILS / CEILING NAILS

Types	Wire Diameter (mm)	Weight / bag (kg)
U-Nails	3.4	50
Ceiling Nails	3.4	50

APPLICATIONS OF U-NAILS

- Fencing

WP-37: BINDING WIRE (BLACK ANNEALED)

Wire Diameter (mm)	Weight / roll (kg)
1.8	25
2.0	25
3.0	25

APPLICATIONS OF BINDING WIRE

- Tying Bars
- Fencing
- Agriculture
- Horticulture
- Packaging

DRAWN WIRE

Low carbon steel wire is drawn to following sizes:

- 1.80 mm
- 2.00 mm
- 2.50 mm
- 2.65 mm
- 3.00 mm
- 3.40 mm
- 4.00 mm
- 5.00 mm
- 5.50 mm
- 6.00 mm

APPLICATIONS OF DRAWN WIRE

- Nails
- Welded Mesh
- Fencing
- Tying Bars
- Agriculture
- Horticulture
- Packaging
- Manufacturung of Nails and Welded Mesh

SUPERGRIP BRC

Reinforcement steel fabrics are manufactured in conformity to US ISO 693-3 BS 4485:1985. The products are commonly known as BRC (British Reinforcement Concrete) and welded mesh.

Mesh Dimensions	
Width:	Minimum 600 mm Maximum 2750 mm
Wire diameter:	2 -12 mm
Line wire spacing:	25 - 400 mm

MANUFACTURING PROCESS

Wire welded mesh is a prefabricated reinforcement fabric consisting of a series of parallel longitudinal wires and cross wires with accurate spacing fused together at right angles by electric resistance welding.

ROOFINGS
MESH SIZE & WEIGHT

MESH	LENGTH	WIDTH	LW DIA	CW DIA	LW PITCH	CW PITCH	No.OF LW	No.OF CW	WEIGHT
G12	2.44	1.22	3.00	2.50	60	60	20	40	4.00
G10	2.40	1.22	3.00	3.00	60	60	20	40	5.08
G8	2.40	1.22	4.00	4.00	60	60	20	40	9.00
A66	30.00	2.13	4.00	4.00	200	200	11	150	60.00
A98	30.00	2.13	5.00	5.00	200	200	11	150	96.00
A98	48.00	2.13	5.00	5.00	200	200	11	240	151.00
A98	48.00	2.40	5.00	5.00	200	200	12	240	160.00
A124	48.0	2.40	5.50	5.50	200	200	12	240	200.00
A142	48.00	2.40	6.00	6.00	200	200	12	240	246.00
A193	4.80	2.40	7.00	7.00	200	200	12	24	35.00
A252	4.80	2.40	8.00	8.00	200	200	12	24	46.16
A393	4.80	2.40	10.00	10.00	200	200	12	24	70.93
A565	4.80	2.40	12.00	12.00	200	200	12	24	100.00

Super Grip BRC

Welded Mesh

WP-39: Preferred range of designated fabrics types and stock sheet size

BS 4483:1995 Series Code	Main Wire		Cross Wires		Steel Area		Mass per Unit Area (kg/m²)
	Diameter (mm)	Spacing (mm)	Diameter (mm)	Spacing (mm)	Main (mm²/m)	Cross (mm²/m)	
Square Mesh							
A565	12	200	12	200	565	565	8.88
A393	10	200	10	200	393	393	6.16
A252	8	200	8	200	252	252	3.95
A193	7	200	7	200	193	193	3.02
A142	6	200	6	200	142	142	2.22
A98	5	200	5	200	98	98	1.54
Rectangular							
B1131	12	100	8	200	131	252	10.90
B785	10	100	8	200	785	252	8.14
B503	8	100	8	200	503	252	5.93
B385	7	100	7	200	385	193	4.53
B283	6	100	7	200	283	193	3.73
B196	5	100	7	200	196	193	3.05
Small Square Mesh							
DA785	10	100	10	100	785	785	12.32
DA503	8	100	8	100	503	503	7.90
DA385	7	100	7	100	385	385	6.04
DA283	6	100	6	100	283	283	4.44
DA196	5	100	5	100	196	196	3.08
DA126	4	100	4	100	126	126	1.97

APPLICATIONS OF SUPERGRIP BRC

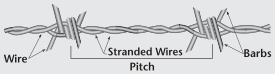
- Concrete Reinforcement
- Fabrication Works; Chairs, Beds, Sidings
- Concrete Shear Walls
- Floor Casting
- Domestic Ventilation
- Fencing
- Precast Structures
- Industrial Slabs
- Concrete Bridges
- Residential Slabs
- Soil Conditioning
- Partitioning

GALVANIZED WIRE PRODUCTS

BARBED WIRE

High quality barbed wire is manufactured using galvanized wire sourced from Roofings Group's company. (Roofings Rolling Mills Namanve)

Strength and dimensions conform to JIS 3533:1993



GWP-40:

Weight/ Roll (Kg)	Gauge	Thickness (mm)	Barb Pitch (mm)	Approx length
25	16	1.58	100	600
20	16	1.58	100	480
25	14	2.00	100	300
20	13	2.24	100	200

APPLICATIONS OF BARBED WIRE

- Fencing

ROOFINGS LIMITED PROVIDES GUARANTEED QUALITY

GALVANISED CHAIN LINK

Roofings Limited has galvanised chain link of premium quality and is available in:
Heights from 4 ft up to 12ft and in Gauge 10, 12.5, 13, 14 with a standard length of 18 meters
Roofings Limited has galvanised chain link of premium quality, rust / corrosion free. Apart from the standard sizes, chain link can be manufactured to customer specific heights.

APPLICATIONS OF GALVANIZED CHAIN LINK

- Fencing
- Internal Partitions e.g. in Warehouses

GCL-41: Table for Standard chainlink

Pitch Size (mm)	Height (feet)	Length of roll (m)	Gauge	Weight (kg)
50x50	7	18	G10	91.62
50x50	6	18	G10	78.56
50x50	4	18	G12.5	30.97
50x50	6	18	G12.5	46.46
50x50	7	18	G12.5	54.04
75x75	6	18	G12.5	33.09
75x75	7	18	G12.5	37.00
50x50	6	18	G13	42.00
50x50	7	18	G13	49.00
75x75	6	18	G13	27.00
75x75	7	18	G13	33.00
65x65	6	18	G14	26.00
65x65	6	18	G13	34.00

GALVANISED PLAIN WIRE

Gauge	Thickness (mm)	Weight (gms/M)	Rolls (kg)
G16	1.58	15.40	25
G14	2.00	24.70	25
G13	2.24	30.90	25
G10	3.10	59.20	25

APPLICATIONS OF GALVANISED PLAIN WIRE

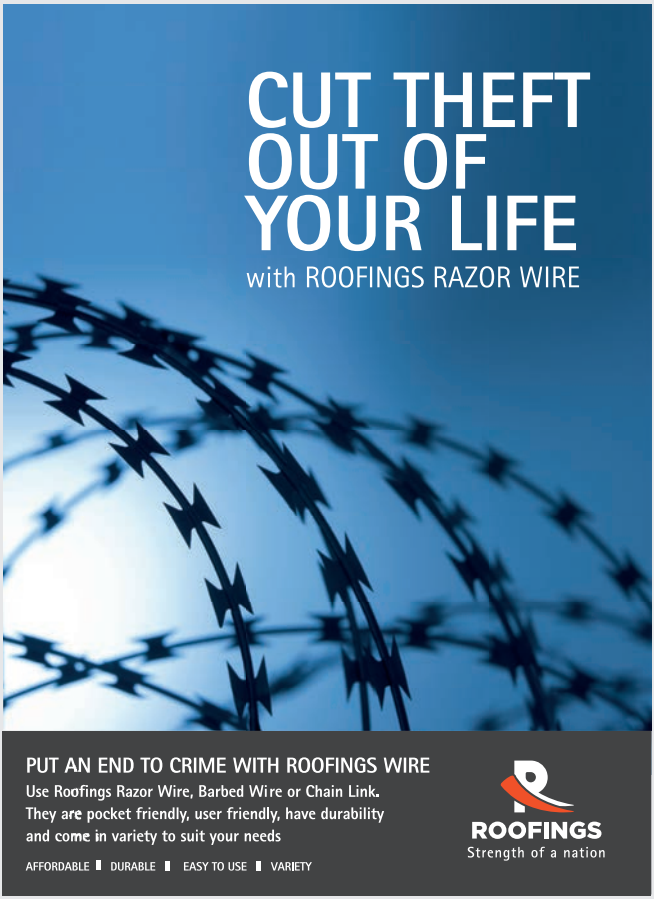
- Fencing
- Use on horticultural farm
- suspended ceillings
- Bicycle spokes
- cable industry
- Bucket handles
- Staples
- Hangers
- Binding.

RAZOR WIRE

Roofings Limited introduced a new product; non-electrified razor wire for security and safety purposes. Roofings is the sole manufacturer of this product in Uganda, made of the highest quality galvanized wire. and and aluminium zinc plums

The Ultra Barb Profile is:

- Sharper
- Difficult to cut
- Rigid



PRODUCT SPECIFICATION

Ultra Barb profile sizes

Roll diameter	Minimum 400 mm Maximum 980 mm
Material available	Clipped and unclipped.

RW-42: Table for Standard products

Diameter (mm)	Stretchable Length (m)	Number of loops	Approx. Weight (kg)
450	8	48	7
700	7.5	41	10
700	10	53	12

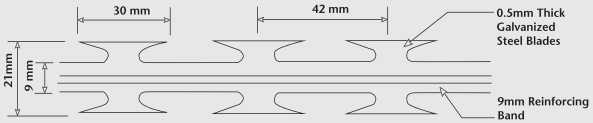
THE NEW ULTRABARB PROFIILE INCORPORATES

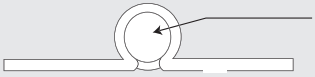
- A wide central steel band that provides additional rigidity to the coils
- Blades which are more substantial and effective
- 30 mm tip-to-tip and 42 mm centre-to-centre
- Improved product design means less spirals are required for the same performance
- Roofings can manufacture from 350mm up to 980mm diameter

APPLICATIONS OF RAZOR WIRE

- Security bariers • Fencing

G24	G26
0.5 mm	0.4 mm





ROOFINGS POLYPIPES

ROOFINGS POLYPIPES AND IRRIGATION SYSTEMS LTD, is a brand new state of the art plant to meet all market needs for quality plastic pipes, uPVC, HDPE and PPR products plus Fittings in the region. This 5million dollar plant with an installed production capacity of 900 ton per month operated by a highly ensure a vast addition to our already wide product range thus aiding our set goal to become a one stop shop for all building and construction related products. All products are tested for high quality and are produced in relevance to DIN 8062:1988 and ISO 161/1. They have also been certified by UNBS US 264:2001 to establish confidence that our products offer the customer value for money.

PLEASE ASK FOR OUR PVC CATALOGUE

We produce the following pipes in the state of the art facility;

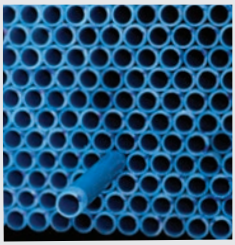
- Plastic down pipes
- PVC Pressure pipes (32 mm to 450 mm)
- PVC Drainage pipes (32 mm to 200 mm)
- PVC Plumbing pipes (1/2 inch to 2 inches)
- PVC casing and screen pipes (140 mm & 168 mm)
- PVC Conduits (20 mm to 40 mm)
- HDPE Pipes (20 mm to 250 mm)
- PPR PIPES (20 mm TO 250 mm)
- Plastic gutter

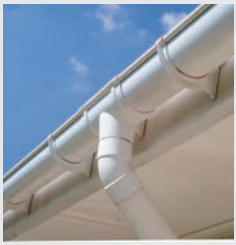
We also import pipe fittings from UNIDELTA Italy
The above mentioned pipes are produced in all the pressure ratings.all these pipes are produced in conformity with;
• US 482:2003 • US 264:2000 • DIN 8062 • DIN 8074

Quality tests which are compulsory are done in our fully equipped labaratory by our well trained technicians.

APPLICATION OF POLYPIPES

- Water Distribution
- Plumbing & Drainage Systems
- Casing Pipes for Bore Holes
- Electrical Conduits



Refer to our plastic catalogue or our website for more information

TRADING ITEMS

COLD ROLLED ANGLES

OP-34: Technical Specifications of Cold Rolled Angles

Size (mm)	Wall thickness (mm)	Weight kg/m	Section Area (mm^2)	Moment of Inertia I		Radius of Gyration R		Modulus of Section z	
				(xx cm^4)	(yy cm^4)	(xx cm)	(yy cm)	(xx cm^2)	(yy cm^2)
25×25	2.0	1.09	1.65	0.42	0.42	1.12	1.12	1.06	1.06
	3.0	1.43	1.71	0.79	0.79	0.67	0.67	1.00	1.00
30×30	2.0	1.10	1.23	1.10	1.10	1.09	1.09	1.05	1.05
	3.0	1.63	1.97	1.43	1.43	1.17	1.17	1.22	1.22
40×40	2.0	1.53	2.10	2.46	2.46	1.21	1.21	1.23	1.23
	3.0	2.23	2.00	3.49	3.49	1.20	1.20	1.20	1.20
	3.0	1.82	2.79	7.01	7.01	1.87	1.87	1.87	1.87

COLD ROLLED ANGLES

APPLICATIONS OF COLD ROLLED ANGLES

- Fencing
- Bracing
- Furniture
- Automobile Bodies

TI-44: Technical specifications –conform to Din 17100/1980 RST 37/2.

TRADING ITEMS

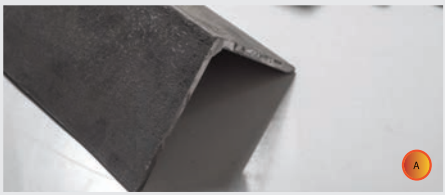
HOT ROLLED ANGLES

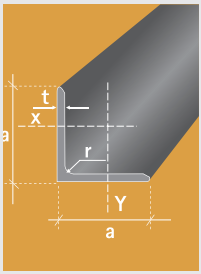
Size axa (mm)	Wall thickness (mm)	Radius (r)	Section Area (a) (cm2)	Moment of Inertia I		Radius of Gyration R		Modulus of Section Z	
				(xx cm^4)	(yy cm^4)	(xx cm)	(yy cm)	(xx cm^3)	(yy cm^3)
20x20	2.0	1.17	1.59	1.39	1.39	1.03	1.03	1.05	1.05
	2.8	2.89	1.87	1.15	1.15	0.97	0.97	1.11	1.11
	3.0	3.92	1.98	1.58	1.58	1.10	1.10	1.12	1.12
25x25	2.0	4.35	1.73	1.62	1.62	1.01	1.01	1.08	1.08
	3.0	6.66	1.74	1.72	1.72	0.77	0.77	0.99	0.99
30x30	2.0	7.27	1.86	2.50	2.50	1.10	1.10	1.22	1.22
	3.0	9.36	2.18	3.24	3.24	1.19	1.19	1.23	1.23
40x40	3.0	11.04	2.22	3.49	3.49	1.22	1.22	1.25	1.25
	4.0	14.46	2.89	4.44	4.44	1.58	1.58	1.24	1.24
	6.0	21.12	4.10	6.02	6.02	2.23	2.23	1.21	1.21
50x50	3.0	13.56	2.82	7.01	7.01	1.96	1.96	1.58	1.58
	4.0	18.36	3.69	9.01	9.01	2.54	2.54	1.56	1.56
	5.0	22.50	4.10	9.94	9.94	2.82	2.82	1.56	1.56
	60	26.83	5.3	12.5	12.5	3.62	3.62	1.56	1.56
60x60	3.0	15.61	4.01	10.4	10.42	2.82	2.82	1.56	1.56
	4.0	21.45	5.14	12.15	12.15	3.47	3.47	1.78	1.78
	5.0	27.06	6.05	17.08	5.02	5.02	5.02	1.78	1.78
63x63	4.0	23.70	6.23	15.55	15.55	4.38	4.38	2.46	2.46
	6.0	35.83	7.86	24.01	24.01	6.97	6.97	2.50	2.50
75x75	6.0	42.01	8.30	45.60	45.60	8.56	8.56	2.34	2.34

APPLICATIONS OF HOT ROLLED ANGLES

Used in fabrication of

- Furniture
- Racks & Shelves
- Bicycle
- Doors
- Beds
- Carriers





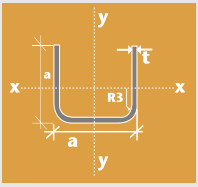
HOT ROLLED CHANNELS

OP-29: Technical Specifications for Hot Rolled Channel

Size (mm)	Wall thickness (mm)	Weight kg/m	Section Area (mm^2)	Moment of Inertia I		Radius of Gyration R		Modulus of Section Z	
				(xx cm^4)	(yy cm^4)	(xx cm)	(yy cm)	(xx cm^3)	(yy cm^3)
25 × 25	1.50	0.90	1.15	1.25	0.79	1.00	0.48	1.05	0.82
	2.00	1.11	1.41	1.50	0.91	1.18	0.59	1.03	0.81
40 × 25	1.50	0.99	1.26	3.41	0.83	1.71	0.48	1.62	0.80
	2.00	1.29	1.64	4.39	1.08	2.20	0.62	1.60	0.79
40 × 40	1.50	1.34	1.71	5.08	3.01	2.54	1.15	1.70	1.31
	2.00	1.76	2.24	6.32	3.79	3.13	1.48	1.68	1.30
50 × 25	1.50	1.11	1.41	5.71	0.89	2.28	0.49	1.98	0.78
	2.00	1.44	1.84	6.91	1.13	2.77	0.63	1.93	1.31
50 × 40	1.50	1.46	1.86	8.36	3.25	3.34	1.23	2.09	1.29
	2.00	1.92	2.44	10.38	4.12	4.15	1.55	2.06	1.27
	3.00	2.78	3.54	14.43	5.85	5.76	2.55	2.02	1.67
50 × 50	1.50	1.88	2.39	11.24	6.65	4.43	2.02	2.17	1.66
	2.00	2.32	2.96	13.69	8.16	5.40	2.50	2.15	1.64
	3.00	3.62	4.61	20.23	12.36	7.97	3.85	2.10	1.66
65 × 25	2.00	1.68	2.14	13.30	1.25	4.09	0.67	2.45	0.75
	3.00	3.13	3.99	28.22	6.70	7.27	2.41	2.60	1.26
65 × 50	2.00	2.46	3.11	23.63	8.54	10.46	2.50	2.71	1.63
	3.00	3.60	4.59	33.99	12.41	8.64	3.68	2.67	1.61
65 × 65	2.00	2.93	3.73	27.42	16.19	12.98	3.93	2.72	2.08
	3.00	4.59	5.84	41.20	24.85	5.14	6.13	2.65	2.06
75 × 25	2.00	1.84	2.34	19.29	1.30	7.38	0.68	2.82	0.73
	3.00	2.66	3.39	27.66	1.85	5.56	2.35	2.78	0.72
75 × 40	1.50	1.75	2.24	20.87	3.71	7.28	1.27	3.03	1.28
	2.00	2.31	2.94	27.27	4.85	10.49	1.68	3.01	1.25
	3.00	3.37	4.29	39.33	7.02	9.70	2.46	2.97	1.62
75 × 50	2.00	2.62	3.34	32.62	8.95	12.56	2.56	3.09	1.60
	3.00	3.84	4.89	47.12	13.03	10.83	3.77	3.05	2.13
75 × 65	2.00	3.09	3.94	40.61	18.27	15.68	4.19	3.18	2.12
	3.00	4.55	6.79	48.71	26.74	12.25	6.18	3.14	2.47
75 × 75	2.00	3.41	4.34	45.94	26.91	19.23	5.47	3.22	2.48
	3.00	5.56	6.74	73.21	43.74	6.43	8.92	3.33	0.71
100×25	1.50	1.88	2.39	32.67	1.20	6.43	0.59	3.70	0.71
	2.00	2.32	2.96	39.95	1.50	7.86	0.72	3.67	0.68
	3.00	3.25	4.14	56.06	1.99	11.21	1.01	3.60	1.16
100×40	2.00	2.72	3.48	52.73	4.66	10.39	1.60	3.89	1.21
	3.00	3.05	5.04	73.98	7.49	14.79	2.52	3.80	1.61
100×50	2.00	3.13	3.99	65.55	10.36	12.90	2.79	4.05	1.21
	3.00	4.91	6.25	98.93	15.94	19.65	4.34	3.94	1.59
100×65	2.00	3.48	4.44	77.18	20.12	15.44	4.38	4.13	2.11
	3.00	5.56	7.08	119.74	29.51	23.58	6.65	4.11	2.04
100x75	2.00	3.80	4.84	86.78	29.67	17.36	5.73	4.20	2.46
	3.00	5.60	7.14	126.65	43.59	25.33	8.53	4.16	2.44
150×25	2.00	3.01	3.84	106.63	1.52	14.22	0.72	5.22	0.62
	3.00	4.43	5.64	155.69	2.16	20.76	1.05	6.33	0.75
150×40	2.00	3.54	4.60	139.72	5.20	18.34	1.67	5.57	1.07
	3.00	5.13	6.54	204.31	8.51	27.24	2.67	5.51	1.13
150×50	2.00	3.94	5.02	168.89	11.69	22.17	2.93	5.80	1.52
	3.00	6.21	7.90	260.08	18.02	34.14	4.59	5.73	1.51
150×75	2.00	4.58	5.84	216.16	33.78	28.82	6.09	6.95	2.75
	3.00	7.50	9.98	351.78	55.72	46.20	10.01	6.07	2.42

APPLICATIONS OF C - CHANNELS

- Roller Shutters
- Sliding Windows
- Vehicle Bodies
- Furniture
- Industrial Cable Rails
- Machine Base
- Sliding Doors
- Partition Panels
- Can be used as Purlins



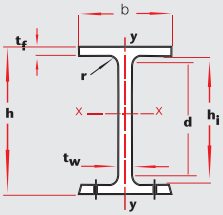
I-BEAMS

IB-45: Sizes Available from IPE 100 to IPE 200.

Designation	Dimensions					Area	Weight	Moment of Inertia I		Modulus of Section z		Radius of Gyration R	
	h	b	tw	tf	r	A	G	(xxmm⁴)	(yymm⁴)	(xxmm³)	(yymm³)	(xxmm²)	(yymm²)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm²)	(kg/m)	(x10⁴)	(x10⁴)	(x10³)	(x10³)	(x10)	(x10)
IPE 80	80	46	3.8	5.2	5	764	6.0	80.14	8.49	20.03	3.69	3.24	1.05
IPE 100	100	55	4.1	5.7	7	1030	8.1	171.00	15.92	34.2	5.79	4.07	1.24
IPE 120	120	64	4.4	6.3	7	1320	10.4	317.80	27.67	52.96	8.65	4.90	1.45
IPE 140	140	73	4.7	6.9	7	1640	12.9	541.20	44.92	77.32	12.31	5.74	1.65
IPE 160	160	82	7.4	7.4	9	2010	15.8	869.30	68.31	108.7	16.66	6.58	1.84
IPE 180	180	91	5.3	8.0	9	2390	18.8	1317.0	100.9	146.3	22.16	7.42	2.05
IPE 200	200	100	5.6	8.5	12	2850	22.4	1943.0	142.4	194.3	28.47	8.26	2.24
IPE 220	220	110	5.9	9.2	12	3340	26.2	2772.0	204.9	252	37.25	9.11	2.48
IPE 240	240	120	6.2	9.8	15	3910	30.7	3892.0	283.6	324.3	47.27	9.97	2.69
IPE 270	270	135	6.6	10.2	15	4590	36.1	5790.0	419.9	428.9	62.20	11.23	3.02
IPE 300	300	150	7.1	10.7	15	5380	42.2	8356.0	603.8	557.1	80.50	12.46	3.35
IPE 330	330	160	7.5	11.5	18	6260	49.1	11770.0	788.1	713.1	98.52	13.71	3.55
IPE 360	360	170	8.0	12.7	18	7270	57.1	16270.0	1043	903.6	122.8	14.95	3.79
IPE 400	400	180	8.6	13.5	21	8450	66.3	23130.0	1318	1156	146.4	16.55	3.95
IPE 450	450	190	9.4	14.6	21	9880	77.6	33740.0	1676	1500	176.4	18.48	4.12

APPLICATION OF I-BEAMS

- Structural engineering



(A) Hot Rolled Angles (B) I Beams

WINDOW SECTIONS (T AND Z)

WS-46: Zed sections

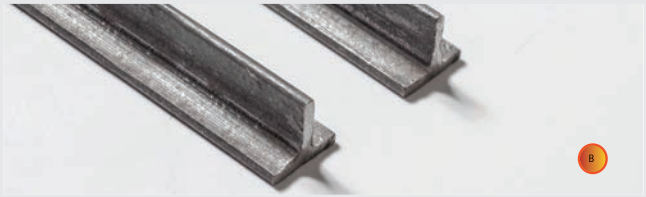
Size (mm)	Length (m)	Weight/pc (kg)
20x20x3	6	6.55
20x 25x3	6	8.70
25x25x3.5	6	10.00

WS-47: Tee sections.

Size (mm)	Length (m)	Weight/pc (kg)
20x20x3.0	6	5.65
25x25x3.0	6	6.40

APPLICATION OF WINDOW SECTIONS

- Fabrication of Doors
- Fabrication of Windows
- Burglar Proofing



(A) Z Angles (B) T Angles

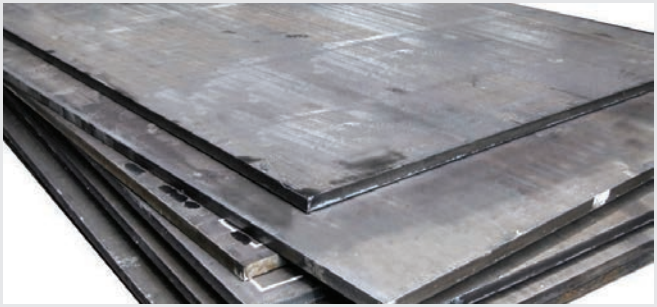
ROUND BARS

Available in sizes: 4mm, 5mm, 6mm, 6.5mm, 7mm, 8mm, 10mm, 12mm

Application : Building and Construction

THICKER MILD STEEL PLATES

These plates conform to JIS 3193 standard.



MSP-24:

Size (ft)	length (mm)	Width (mm)	Thickness (mm)	Weight/pc (kg)
8 x 4	2440	1220	8.00	187.31
8 x 4	2440	1220	10.00	234.14
8 x 4	2440	1220	12.00	280.97
8 x 4	2440	1220	15.00	351.21
8 x 4	2440	1220	20.00	468.00
8 x 4	2440	1220	25.00	585.00

APPLICATIONS FOR MILD STEEL PLATES PLATES

Billboard Faces, Fuel Tanks, Water Tanks / Reservoirs,Trucks / Bus Bodies Wheelbarrows, Doors, Foundation Bases, Furniture, Gates and Fabrication.

MILD STEEL FLATS

MSF-58: Mild steel at bars are available in various sizes:

Weight (kg/m)	Thickness (mm)	Weight (kg/m)
20	3.0	0.47
20	4.0	0.63
20	6.0	0.94
25	3.0	0.59
40	3.0	0.94
40	4.0	1.26
40	6.0	1.88
50	3.5	1.37
50	4.0	1.57
50	6.0	2.36

Used in metal fabrication especially of

- Doors
- Staircases
- Burglar Proofs
- Windows
- Grills
- Safety Guards
- Rails
- Trench Covers

(A) Mild steel flats

CHEQUERED PLATES

1. ALUMINIUM CHEQUERED PLATES

Their advantage is they are rust free and available in these sizes;

Aluminium treadplate

- 8′ x 4′ x 1.5 mm
- 8′ x 4′ x 2.0 mm
- 8′ x 4′ x 2.5 mm
- 8′ x 4′ x 3.0 mm

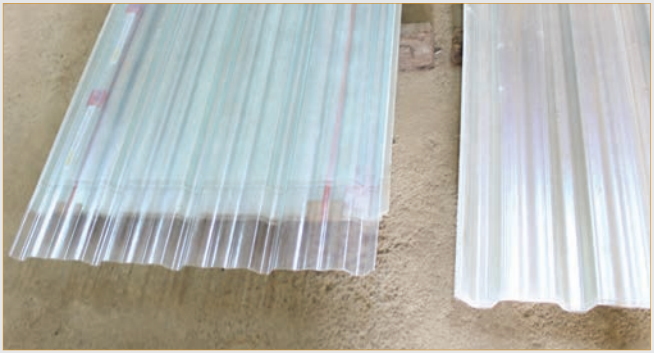
MSP-25:

2. MS CHEQUERED PLATES

Sizes (ft)	Length (mm)	Width (mm)	Thickness (mm)	Weight per pc (kg)
8 x 4	2440	1220	1.0	23.41
8 x 4	2440	1220	1.2	28.1
8 x 4	2440	1220	2.0	53.15
8x 4	2440	1220	3.0	73.40
8 x 4	2440	1220	4.0	96.15
8 x 4	2440	1220	5.0	119.5
8 x 4	2440	1220	6.0	142.86

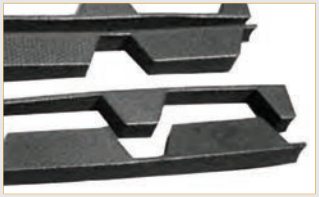
ACCESSORIES

Transluscent Sheets
Thes come in Ordinary Corugated, Super V and Super VI,



Filler Blocks
Used to fill the gaps between the ridge and the roofing sheet.

Available in Super V and Super Eco profiles.



Self Tapping Screws
A cost effective way of fixing roofing sheets onto the trusses.

Available in the following sizes:
- 16 mm × 22 mm
- 16 mm × 25 mm

J-Bolts
The most commonly used accessory to fix Roofing Sheets.

Available sizes are:
- 110 mm
- 130 mm
- 150 mm

Roofing Nails and Rubber Washers

Also known as Umbrella nails, they are used for fixing Roofing Sheet onto timber trusses.

Wood Screws

Sizes available are 50 mm and 75 mm long, used for fixing sheets on timber trusses
Available in 1.5 inch length, used for fixing Soft Board

Insulation Materials

- Aluminum foil 1250 mmx40 m
- ST Wire white 25 kg
- DS Tape 24 mm x 25 m

(A) Umbrella Nails (B) DS Tape (C) Rubber Washers (D) Wood Screws

PROUDLY UGANDAN

WHEN EVERY OTHER ROOF AGES,

ROOFINGS AZED COLOURED

WILL BE THE LAST ROOF STANDING

Super Eco

Roofings AZED coloured iron sheets are coated with Aluminium and Zinc to last up to 5 times longer than ordinary iron sheets.
Also available in various colours, designs and textures.

ROOFINGS
Strength of a nation

+256 312 340 207 Toll free: 0800 240 100 +256 761 002 607 sales@roofingsgroup.com Roofings Group. @Roofings_Group Web: www.roofingsgroup.com

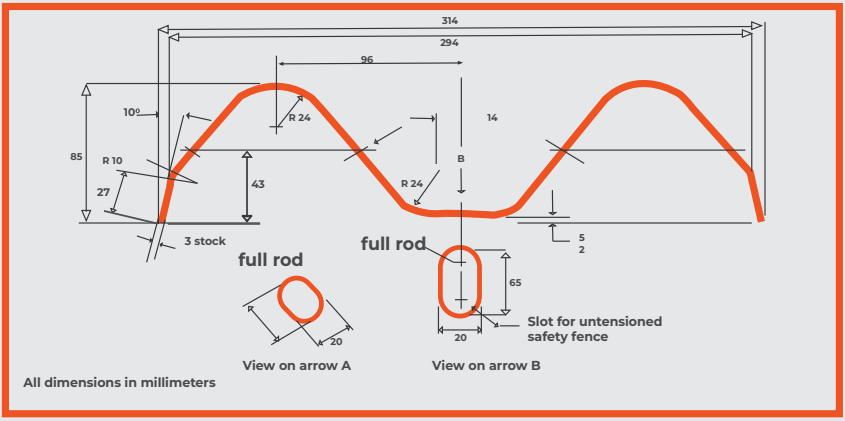
ROOFINGS GUARDRAILS

Guard rails are protective boundary features on roads and highways used as means to prevent or deter access to dangerous or off-limits in traffic and highway engineering for Public safety.

They are used as **Sports spaces barriers, road sides, crowd & factory barriers & on farms**

Facility safety,· **Automotive safety, Traffic dangers.**

They are made to the **AASTO MI80 (Cluase9.1.1.1). ASTMA653/A683M, BS EN1317-2-2010** Standards
Thickness of forming sheet varies from **3.0 mm to 4.0mm,** and a standard length of **4.35M.** Custom lengths can be produced as per customer's request. Our advanced hydraulic cutting and hole punching technology, controlled by computer, ensures precision and accuracy



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Strength of a nation

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Jinja

Plot 4 to 6 - 6A • Spire Road
P.O. Box 7169 • Jinja • Uganda
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Roofings factory Mbarara

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