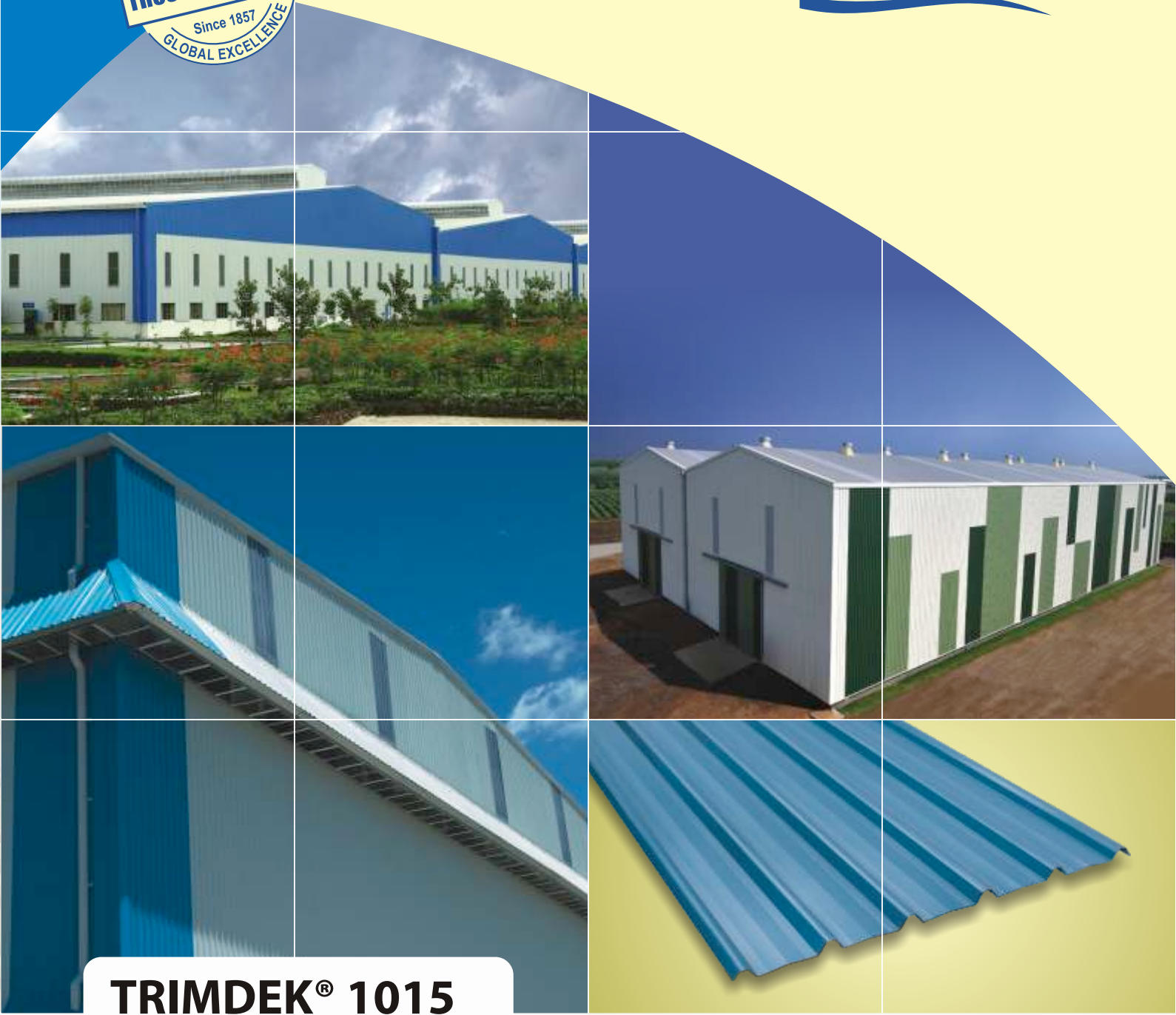




**LYSAGHT®**



## **TRIMDEK® 1015**

High Strength | Wide Span | Enables Design Flexibility | Corrosion Resistance | Leak Proof Performance  
Architecturally Appealing Appearance | Easy & Quick Installation

  
**TATA BLUESCOPE  
STEEL**





## TRIMDEK® - 1015

LYSAGHT TRIMDEK® 1015 is an innovative subtle square fluted steel cladding which is being widely used in most Industrial, Infrastructure, Commercial and Residential projects across the world.

### Excellent Spanning Capabilities

LYSAGHT TRIMDEK® 1015 is manufactured from high strength steel and provides excellent spanning capability resulting in better design freedom.

### Long Lasting

LYSAGHT TRIMDEK® 1015 is manufactured from Al-Zn alloy coated steel that offers excellent corrosion resistance and lasts up-to four times more than ordinary Zinc coated steel profiles.

### Proven and Tested Profile

All LYSAGHT profiles undergo various testing at our state of art R&D and testing centre, Australia. TRIMDEK® 1015 profile comes with return leg which provides extra support at the side laps of panels and assures weather tightness with specially engineered anti-capillary grooves. Troughed stiffeners in the valleys of profile prevents oil canning effect in larger spans, withstands better roof traffic and also clears rain water quickly with no stagnation of water. Due to its excellent features it can be designed even for low roof slopes.

### Quick & Easy Installation

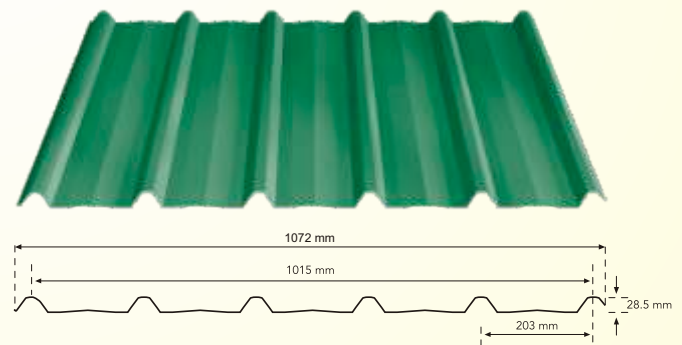
The long length, light weight and use of self drilling screws facilitate safe, easy and quick installation of LYSAGHT TRIMDEK® 1015 profile.

### Improved Thermal Performance

LYSAGHT TRIMDEK® 1015 comes with THERMATECH™ Solar Reflectance Technology that lowers surface temperature by absorbing lesser heat from the sun. It keeps both roofs & buildings cooler at reduced energy costs.

### Profile

LYSAGHT TRIMDEK® 1015 is a 1015 mm wide coverage profile with nominal 28.5 mm deep ribs along with subtle square fluting in the five pans at nominal 203 mm centre-to-centre. The end ribs are designed for anti-capillary action, to avoid seepage of water through the lateral overlap. The profile can be crimp curved to suit a curve radius of more than 500 mm.

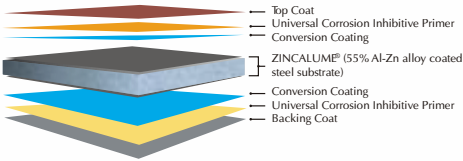


### Material Specification

LYSAGHT TRIMDEK® 1015 is manufactured from COLORBOND® XRW steel, high tensile steel with minimum 550 MPa yield strength, metallic hot-dipped coated with Al-Zn alloy (55% Aluminium, 43.5% Zinc, 1.5% Si ) as per AS1397/ IS15961 standards and ZINCALUME® AZ150 (min. 150 g/m<sup>2</sup> total on both sides) with Super Durable Polyester COLORBOND® XRW steel\* quality paint system of approved colour, suitable for exterior application conforming to AS/NZS 2728 type-4 / IS15965 class 3 of Tata BlueScope Steel make. The sheets have a total coating thickness of 35 microns, super durable polyester COLORBOND® XRW quality paint system of 20 microns on exposed surface and 5 micron reverse polyester coat on back surface and over 5 micron primer coat on both surfaces. The paint system is made of stable resin & inorganic pigments for paint durability and is lead free, making it suitable for rainwater harvesting. LYSAGHT® profiles are supplied with a brand mark at regular intervals on the reverse side of profile. The brand mark includes - name of the

profile and Total Paint Thickness. This brand mark ensures authenticity and quality of the product. (Refer Table 1)

\*Standard offering includes COLORBOND® XRW steel but other options like COLORBOND® Ultra steel, COLORBOND® XPD steel and COLORBOND® Metallic steel can also be used after consultation from Tata BlueScope Steel authorities.



Cross Sectional View of COLORBOND® steel

### Maximum Support Spacing (in mm)

The maximum recommended support spacings are based on tests conducted in accordance with AS1562.1-1992, AS4040.1-1992 & AS4040.2-1992. Roof spans consider both resistance to wind pressure and light roof traffic (traffic arising from incidental maintenance). Wall spans consider resistance to wind pressure only. The pressure considered (in accordance with IS 875.3) is based on buildings up to 10m high, Zone 3 (Basic wind speed  $V_b = 47$  m/s), Class A, Terrain category 3,  $K_1 = 1.0$ ,  $K_2 = 0.91$ ,  $K_3 = 1.0$ , with the following assumptions made: (Refer Table 2)

### Roofs

$C_{pe} = -1.20$  (internal cladding spans)

$C_{pe} = -2.0$  (single and end cladding spans)

$C_{pi} = +0.2$

### Walls:

$C_{pe} = -0.80$  (internal cladding spans)

$C_{pe} = -1.20$  (single and end cladding spans)

$C_{pi} = +0.2$

These spacings may vary for particular projects, depending on specific structure characteristics.

### Lengths

Sheets are supplied custom cut

### Tolerances

Length: + 0 mm, - 15 mm

Width: + 4 mm, - 4 mm

Table 1

BMT/Base Metal Thickness (in mm)	0.42		0.45	
	ZINCALUME®	COLORBOND®	ZINCALUME®	COLORBOND®
FINISH				
Total Coated Thickness(mm)	0.47	0.47	0.50	0.50
Total Painted Thickness(mm)	-	0.50	-	0.53
Weight Per Area(Kg/Sq.m.)	4.15	4.22	4.43	4.50
Weight Per Unit Length(Kg/m)	4.21	4.28	4.50	4.57
Coverage (Sq.m./MT)	240.87	236.76	225.5	221.89

Table 2

Maximum Allowance Support Spacing (in mm)				
Type of Span	Roof Application		Wall Application	
	0.42	0.45	0.42	0.45
Single Span	850	950	1300	1700
End Span	1150	1200	1800	2450
Internal Span	1500	1750	2500	2850
Unstiffed Overhang	100	150	100	150

### LYSAGHT TRIMDEK® 1015: Limit state wind pressure capacities(KPa)

Span Type	Limit State	Span (mm)								
		600	900	1200	1500	1800	2100	2400	2700	3000
TRIMDEK® 1015 - 0.40mm Base Metal Thickness (0.45mm Total Coated Thickness)										
Single	Serviceability	3.16	2.65	2.00	1.35	0.87	0.57	0.41	-	-
	Strength*	7.25	5.45	4.05	2.81	2.08	1.81	1.60	-	-
End	Serviceability	2.61	2.35	2.09	1.82	1.53	1.24	0.94	0.65	0.36
	Strength*	4.00	3.85	3.66	3.48	3.21	2.89	2.44	2.01	1.56
Internal	Serviceability	3.21	2.69	2.26	1.95	1.68	1.39	1.08	0.82	0.63
	Strength*	7.03	5.81	4.71	3.69	2.95	2.46	2.23	2.09	1.99
TRIMDEK® 1015 - 0.45mm Base Metal Thickness (0.50mm Total Coated Thickness)										
Single	Serviceability	4.84	3.54	2.44	1.55	0.91	0.58	0.41	-	-
	Strength*	8.79	7.88	6.34	4.94	3.83	3.06	2.51	-	-
End	Serviceability	4.14	3.46	2.78	2.16	1.66	1.25	0.92	0.66	0.43
	Strength*	6.22	5.47	4.68	3.99	3.42	2.94	2.57	2.25	1.98
Internal	Serviceability	4.91	4.01	3.19	2.52	2.01	1.64	1.37	1.13	0.93
	Strength*	7.66	6.52	5.49	4.54	3.83	3.32	3.00	2.73	2.49

1) \*A capacity reduction of  $\phi=0.9$  has been applied to strength capacities

Supports must be not less than 1mm BMT

2) Please contact Tata BlueScope Steel office before adopting for design

3) Non-standard thickness, sizes & colours are also available on special request

4) The above data has been derived from the tests conducted at

our research centre and reproduction of the

same in any form is strictly prohibited

Barrackpur Railway Station, West Bengal

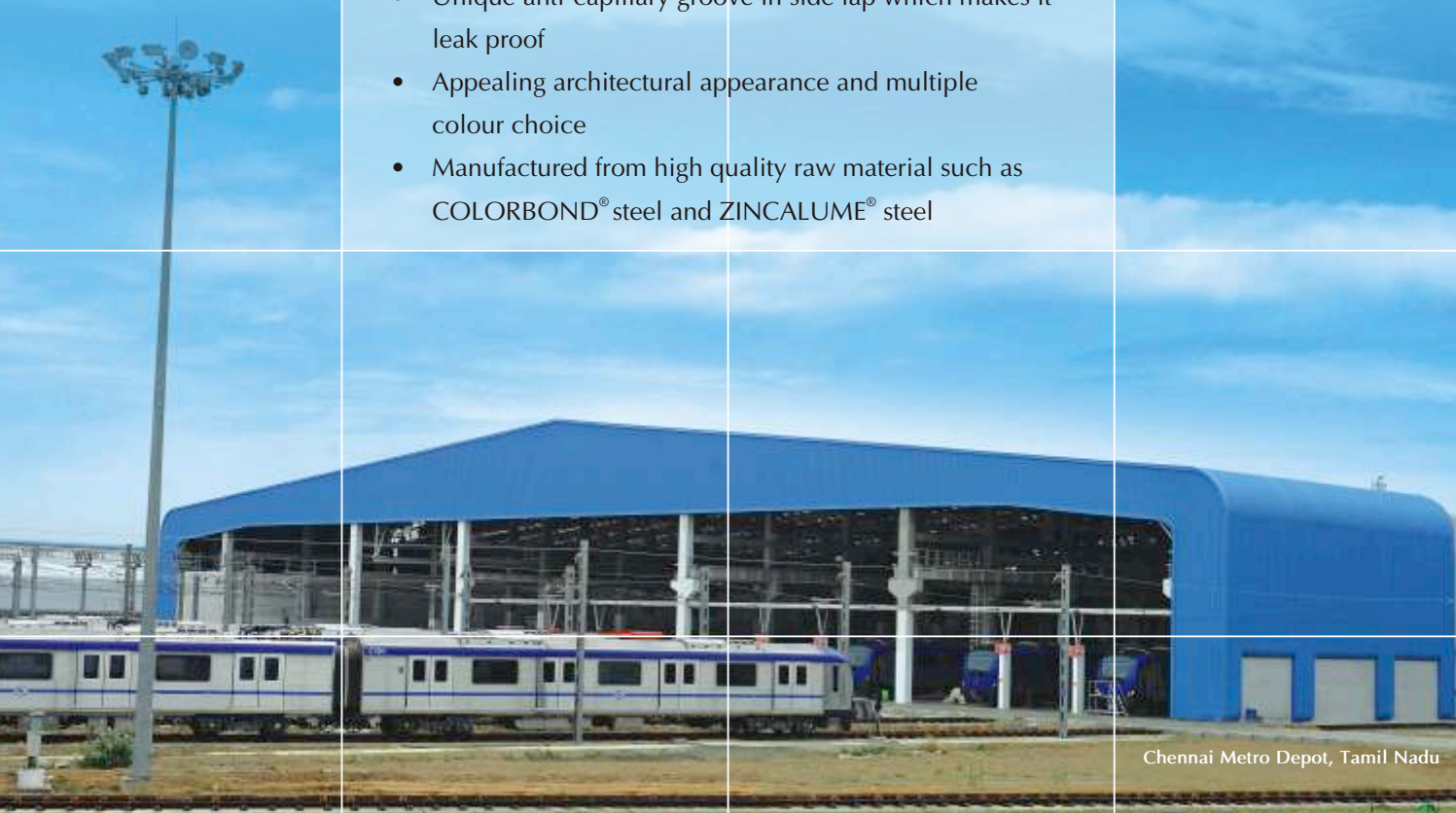


NRL Petrol Pump, Assam



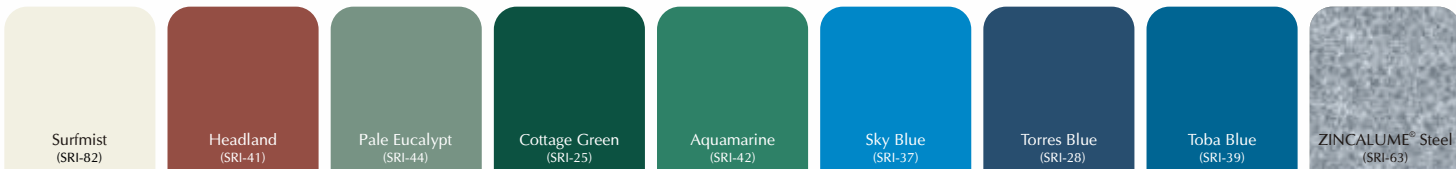
## LYSAGHT TRIMDEK® 1015 Design Advantages

- Smart appearance with subtle square fluting
- Fixed with ease and speed
- Made from high tensile steel which provides design freedom and longer spans
- Unique anti-capillary groove in side lap which makes it leak proof
- Appealing architectural appearance and multiple colour choice
- Manufactured from high quality raw material such as COLORBOND® steel and ZINCALUME® steel

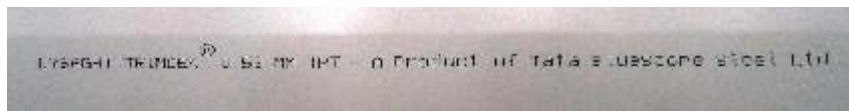


Chennai Metro Depot, Tamil Nadu

### Standard Colour Range



The above colours are only for illustrative purpose and actual colours may vary.



**Quality Assurance:** LYSAGHT® profiles are supplied with a brand mark at regular intervals on the reverse side of profile. The brand mark includes - name of the profile and Total Paint Thickness. This brand mark ensures authenticity and quality of the product.



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