







<p>GENERAL DESCRIPTION</p> <p>MOLAWAN ABRASION RESIST is a pre-painted galvanized steel developed to provide durable material suitable for Auto Garage door, Roll Shutter and other applications with high abrasion resistance</p>	<p>SUBSTRATE</p> <p>Galvanized steel with zinc coating G30 (90gsm) Minimum. Grade: CS Type A&B, FS Type A&B, SS33, SS40 & SS50</p>				
<p>TYPICAL USES</p> <p>Garage doors, Rolling Shutter and other applications subjected to frequent abrasion.</p> <p>STANDARDS</p> <p>Substrate : ASTM A653/A653M Paint coating : ASTM A755/755M</p>	<p>DIMENSIONS: (For normal supply products)</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>THICKNESS* (MM)</td> <td>WIDTH** (MM)</td> </tr> <tr> <td>0.35 to 1.20</td> <td>From 50 to 1320</td> </tr> </table> <p>*For grade SS50, minimum thickness is 0.50 mm **For width less than 1000 mm are supplied with slit edge For specific dimensions please contact Sales and Marketing Dept.</p>	THICKNESS* (MM)	WIDTH** (MM)	0.35 to 1.20	From 50 to 1320
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PRETREATMENT	Corrosion resistance proprietary conversion coating.
PRIMER COAT	Universal Corrosion inhibitive Primer Nominal thickness- 5 microns each side
FINISH COAT	Custom formulated Polyester and Polyamide paint system.(PEPA) Nominal thickness-15 microns on the top or weather side. The finish coat is available on all RAL standard colours and other colours may be available on request
BACKING COAT	Custom formulated Polyester and Polyamide paint system.(PEPA). Nominal thickness of 5 microns. Back coat is in the same top coat colour and DFT as required
GLOSS (60°)	Nominal 30 - 35% Other gloss levels may be available on request

GUARANTEED PAINT PROPERTIES				
	TEST	TEST METHOD	DESCRIPTION	RESULTS
	Hardness (Pencil)	ASTM D 3363	Pencil	H-2H
	Adhesion -T bend	ASTM D 4145	T-bend	3T or less
	Flexibility	ASTM D 4145	T-bend	2T or less (no cracking)
	Adhesion - Reverse impact	ASTM D 2794	Reverse impact	> 10 joules
	Cross hatch	ASTM D 3359	Cross hatch	No paint removal
	Gloss 60° (%)	ASTM D 523	Gloss	30-35




TECHNICAL DATA SHEET


EXPECTED PRODUCT SERVICE PERFORMANCE


	PROPERTY	TEST METHOD	DESCRIPTION	RESULTS
	Resistance to Abrasion	ASTM D4060	Taber abraser 1000g CS10 wheels	≤100mg per 1000 cycles

NOTE

1. For most products, the metallurgical process which is inherent in the paint stoving cycle will result in some loss of ductility compared with unpainted product. However, minimum strength levels designated by relevant standards will still be applicable.

2. Values quoted are for  colours under normal well washed conditions of exposure.

If it is intended to use  in an exterior application within 1 km of salt marine location, or severe industrial or abnormally corrosive environment, or in areas not washed by rain or in applications where it will be wholly or partially buried in the ground, please contact UNICOIL for advice. Improper storage or use of non approved roll forming lubricants may adversely affect colour. Material which becomes wet while in stacks or bundles must be separated and dried.

3.  has good resistance to accidental spillage of solvents such as methylated spirits, white spirits, mineral turpentine, trichloroethylene and dilute mineral acids & alkalis. However, all spillages should be immediately removed by water washing and drying.

4. Properties guaranteed on G30 (90gsm) minimum zinc coating mass.

