








<p><b>GENERAL DESCRIPTION</b></p> <p><b>MOLAWAN ANTIBACTERIAL</b> prepainted steel developed to provide Microbial protection for interior and exterior applications with good weatherability &amp; good formability.</p>	<p><b>SUBSTRATE</b></p> <p>Galvanized steel, minimum G30(90 GSM). Grade : CS Type A&amp;B, FS Type A&amp;B, SS33, SS40 &amp; SS50</p>				
<p><b>TYPICAL USES</b></p> <p>Roofing and Walling, Sandwich Panels, Cool Rooms, Clean Rooms, Appliances, K-span, Shutter Doors, Door Frames</p>	<p><b>DIMENSIONS:</b></p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><b>THICKNESS* (MM)</b></td> <td style="text-align: center;"><b>WIDTH** (MM)</b></td> </tr> <tr> <td style="text-align: center;">0.30 to 1.20</td> <td style="text-align: center;">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>	<b>THICKNESS* (MM)</b>	<b>WIDTH** (MM)</b>	0.30 to 1.20	From 50 to 1320
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<p><b>STANDARDS</b></p> <p>Substrate : ASTM A653/A653M Paint coating : ASTM A755/755M</p>					

<b>PRETREATMENT</b>	Corrosion resistance proprietary conversion coating each side
<b>PRIMER COAT</b>	Universal Corrosion inhibitive Primer Nominal thickness- 5 microns each side
<b>FINISH COAT</b>	Custom formulated system with Microbial Agent. Nominal thickness-15 microns on the top or weather side.
<b>BACKING COAT</b>	Polyester based custom formulated off white. Nominal thickness – 5microns. Foam compatible backing coat is available on request. Back coat can be in the same top coat color and DFT as required
<b>GLOSS (60°)</b>	Medium Gloss. Other gloss levels may be available on request.

GUARANTEED PAINT PROPERTIES				
	TEST	TEST METHOD	DESCRIPTION	RESULTS
	Hardness (Pencil)	ASTM D 3363	Pencil	F or harder
	Adhesion -T bend	ASTM D 4145	T-bend	3T or less
	Flexibility	ASTM D 4145	T-bend	3T 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 - 80

## TECHNICAL DATA SHEET


### EXPECTED PRODUCT SERVICE PERFORMANCE

	PROPERTY	TEST METHOD	DESCRIPTION	RESULTS
	Resistance to Micro organism	ASTM E 2180	24 hours	24 hours Staphlococcus aureus, E Coli- Min 99% reduction


### NOTE

1. For most products, the metallurgical ageing 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 standard  colors.

If it is intended to use  prepainted metal 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.  prepainted metal has good resistance to accidental spillage of solvents such as methylated spirits, white spirits, mineral turpentine, toluene, trichloroethylene and diluted mineral acids & alkalis. However, all spillages should be immediately removed by water washing and drying.

