
















<b>GENERAL DESCRIPTION</b>	<b>PREFERRED SUBSTRATE</b>				
<b>COLORITE FLUOROCARBON</b> prepainted steel is developed to provide extra durability, excellent weatherability and high formability for exterior applications.	Galvanized steel – minimum G90 (275 GSM). Grade CS type A&B, FS Type A & B , SS 33, SS40 , SS50.				
<b>TYPICAL USES</b>	<b>DIMENSIONS:</b> (For normal supply products )				
Roofing and Walling , Sandwich Panels, K-Span, etc	<table border="1"> <tr> <td><b>THICKNESS* (MM)</b></td> <td><b>WIDTH** (MM)</b></td> </tr> <tr> <td>From 0.45 to 1.20</td> <td>From 50 to 1320</td> </tr> </table>	<b>THICKNESS* (MM)</b>	<b>WIDTH** (MM)</b>	From 0.45 to 1.20	From 50 to 1320
<b>THICKNESS* (MM)</b>	<b>WIDTH** (MM)</b>				
From 0.45 to 1.20	From 50 to 1320				
<b>STANDARDS</b>					
Substrate : ASTM A653/A653M Paint coating : ASTM A755/755M	*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.				




<b>PRETREATMENT</b>	Corrosion resistance proprietary conversion coating.
<b>PRIMER COAT</b>	Polyurethane Primer Nominal thickness- 5microns on Top side & Polyester Primer on Bottom side.
<b>FINISH COAT</b>	Custom formulated system. Polyvinylidene Fluoride (PVDF). Nominal thickness-20 microns on the top or weather side. The finish coat is available in RAL standard colours. Other colours may be available on request.
<b>BACKING COAT</b>	Custom formulated Backer-5-7microns or Foam suitable Backer. Special backer suitable for foam application can also be provided. Back coat can be in the same top coat color and DFT as required
<b>GLOSS (60°)</b>	Nominal 25-30% (60°) Other gloss levels may be available on request.

<b>GUARANTEED PAINT PROPERTIES</b>				
	<b>TEST</b>	<b>TEST METHOD</b>	<b>DESCRIPTION</b>	<b>RESULTS</b>
	<b>Hardness (Pencil)</b>	ASTM D 3363	Pencil	B or harder
	<b>Adhesion -T bend</b>	ASTM D 4145	T-bend	2T or less (No Pickoff)
	<b>Flexibility</b>	ASTM D 4145	T-bend	3T or less (no cracking)
	<b>Adhesion - Reverse impact</b>	ASTM D 2794	Reverse impact	> 10 joules
	<b>Cross hatch</b>	ASTM D 3359	Cross hatch	No paint removal
	<b>Gloss 60° (%)</b>	ASTM D 523	Gloss	25-30
	<b>Color Difference</b>	ASTM D2244	Light colors	$\Delta E - \leq 1.0$
			Medium Colors	$\Delta E - \leq 1.5$
			Dark Colors	$\Delta E - \leq 2.0$ / Visual match
			Metallics	Visual match



EXPECTED PRODUCT SERVICE PERFORMANCE				
	PROPERTY	TEST METHOD	DESCRIPTION	RESULTS
	Resistance to UV (QUV-A) ASTM G53	Exposure Hours		2000 Hrs
		ASTM D2244	Color Change	DE Hunterlab - Light color ≤3 Int.Color ≤5 Dark color ≤7
		ASTM D4214	Chalking	ASTM Rating 6
		ASTM D523	% Gloss Retention	≥ 80
	Natural well washed exposure ASTM G7	Exposure Years		20 Yrs
		ASTM D2244	Color Change (Non Vertical)	DE Hunterlab - Light color ≤6 Int.Color ≤9 Dark color ≤15
		ASTM D4214	Chalking	ASTM Rating 6
		ASTM D523	% Gloss Retention	≥ 60
	Resistance to corrosion (Salt Spray) ASTM B117	Exposure Hours		1000 Hrs
		ASTM D714	Blister Density, Size & Corrosion Creep	Blister density- Few, Blister size rating ≥8
	Resistance to humidity at 38± 1°C ASTM D 2247	Exposure Hours		1000 Hrs
		ASTM D714	Blister Density & Size	Blister density- Few, Blister size rating ≥8
	Resistance to abrasion	ASTM D 968	Falling sand test	40 ltrs for 25 μm
		ISO 1518	Scratch	≥2000gms
	Resistance to Heat (ECCA T13)	ASTM D2244	90°C - 700 hours or 60°C - 1000 Hours	ΔE ≤ 2.5 ΔGloss ≤ 3%
	Kesternich	ASTM G87	Cycles	10 Cycles
	Chemical Resistance (Acid & Alkali)	AAMA 621	HCL, HNO <sub>3</sub> & H <sub>2</sub> SO <sub>4</sub>	No discoloration/No blistering
	Resistance to solvents	ASTM D1308	Solvent	No discoloration/No blistering
	Resistance to fire	BS 476 Part 7	Fire rating	Class M0

## NOTE

- 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.
- Values quoted are for standard  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 application where it will be wholly or partially buried in the ground, please contact UNICOIL for advice.
-  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.
- Properties guaranteed on minimum G90(275 GSM), Galvanized steel.

