



## **15 CE CRP 2 PACK POLYURETHANE PRIMER - RED, GREY & YELLOW**

<b>SAILENT FEATURES</b>	These Two Pack P.U. Primers have very good Drying Time. They have very good Salt Spray corrosion resistance, Acid Resistance, Alkali Resistance, Solvent Resistance & Water Resistance. They also have very good U. V. Resistance.
<b>RECOMMENDED USES</b>	These Two Pack P.U. Primers are used for Protection & Decoration of Steel Structures, Construction Machinery & Plant & Machinery which is located on Sea Shore or those plant & machinery which is continuously in contact with chemicals. It is also used for protection of structures on Ship & Plastic Articles.
<b>DIRECTION FOR USE</b>	Adequate Surface Preparation and proper application is of Particular importance for achieving proper finish and Adhesion. Make sure that the Surface / Substrate to be painted should be free of Oil, Dust, Grease or any other foreign particles to get optimum adhesion & Finish. It Is necessary that the surface should be thoroughly cleaned either by scraping or wire brushing or sand blasting. Plastic Components should be clean by using clean sol. Before application thoroughly mix the two components (i.e. Base & Hardener) in a specified mixing ratio, & keep that mixture as it is for at least 30 minutes & then start the application. Used the Mixed paint within 4 Hrs from the time of the mixing.

### **TECHNICAL SPECIFICATION**

<b>Sr. No</b>	<b>Tests</b>	<b>Specifications</b>
1.	<b>Skinning / Settling</b>	No Skinning, Nil or Soft Settling
2.	<b>Supply Viscosity</b>	60 ± 5 Sec @ 30°C <b>OR</b> as per customer specification
3.	<b>Application By</b>	Brush, Pot Gun or Air Less Spray Gun
4.	<b>Mixing Ratio</b>	Base : Hardener 4 : 1 <b>OR</b> as per Customer Specification.
5.	<b>Application Viscosity</b>	For Pot Spray Gun – 18 - 20 Sec. For Air Less Spray Gun – 22 – 25 Sec.
6.	<b>Thinner Intake</b>	0 to 10 % <b>OR</b> as per Customer Specification.
7.	<b>Finish</b>	Smooth, Uniform & free from Pin Holes & Orange Peels.
8.	<b>Colour</b>	Red Oxide, Grey & White <b>OR</b> as per Customer Requirement.
9.	<b>Fineness of Grind</b>	7 + Microns on Hegman Gauge
10.	<b>Drying Time</b>	Surface Dry – 45 Min – 1 Hrs Tack Free – 3 – 4 Hrs Hard Dry – Over Night



## **15 CE CRP 2 PACK POLYURETHANE PRIMER - RED, GREY & YELLOW**

11.	<b>Gloss</b>	Matt to Egg Shell Matt
12.	<b>Specific Gravity</b>	1.2 ± 0.1 Kg/Lit
13.	<b>Solid Content</b>	Min 43 %
14.	<b>Dry Film Thickness</b>	30 – 50 Microns in Single Coat
15.	<b>Theoretical Covering</b>	8 – 10 M <sup>2</sup> /Lit
16.	<b>Practical Covering</b>	5 – 6 M <sup>2</sup> /Lit
17.	<b>Scratch Hardness</b>	2 – 3 Kg as per IS - 101
18.	<b>Pencil Hardness</b>	Passes for Min 2 H
19.	<b>Cross Cut Adhesion</b>	100% adhesion as per ASTM D 3359
20.	<b>Flexibility &amp; Adhesion</b>	No Such Scratch as to show bare metal
21.	<b>Salt Spray Corrosion</b>	After 500 Hrs. No Signs of Corrosion as per IS - 101
22.	<b>Protection Against Corrosion Under Condensation.</b>	After 500 Hrs. No Signs of Corrosion as per IS - 101
23.	<b>Acid Resistance</b>	Film shall not show signs of blisters, disintegration, or loss of gloss not more than 20% after 24 hrs on putting 10% HCL Solution.
24.	<b>Alkali Resistance</b>	Film shall not show signs of blisters, disintegration, or loss of gloss not more than 20% after 24 hrs on putting 10% NaOH Solution.
25.	<b>Water Resistance</b>	Film shall not show signs of blisters after 24 Hours of immersion in water.
26.	<b>Flash Point</b>	Not below 30°C
27.	<b>Impact Test</b>	No paint Peel off
	<b>U.V. Resistance</b>	After Keeping 500 Hrs in U.V. Cabinet, Colour Change Should not be more than 20% of the original colour.
28.	<b>Pot Life</b>	Maximum 4 Hrs from the time of the Mixing
29.	<b>Shelf Life</b>	6 Month in a Sealed Condition from the date of Manufacturing.



## **15 CE CRP 2 PACK POLYURETHANE PRIMER - RED, GREY & YELLOW**

### **HEALTH & SAFETY**

<b>SAFETY PRECAUTIONS</b>	<ul style="list-style-type: none"><li>• As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and air mask etc.</li><li>• Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner.</li><li>• Eye should be flushed with fresh water.</li><li>• Avoid inhalation of vapors and paint mist by wearing suitable air mask.</li><li>• In the event of ingestion and eye contact, seek medical attention immediately.</li><li>• Painting must be carried out in well-ventilated area.</li><li>• This as industrial product contains flammable materials and should be kept away from ignition sources; local safety regulations should be followed.</li></ul>
---------------------------	--

### **STORAGE & HANDLING**

<b>STORAGE</b>	<p>Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed conditions under shed, away from direct sunlight and extreme temperature. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.</p>
----------------	---

**NOTE:-** The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However as the product can be used under condition beyond our control, we can only guarantee the quality of the product itself.