

# Single Application HD Primer & Topcoat Coating

Corrosion Sealing Metallic Polyurethane Coating for any Environment

## *Description:*

IT-2519 is a two part, moisture-cure, high build, and advance Acrylic Polyurethane and self-priming metallic coating. It has unique metallic fillers, anti-corrosive and moisture cure formulation, which after application begins to cure by pulling moisture at the molecular level as well as microscopically swelling into the individual pores of the surface, as it hardens. This process seals the surface against any possibility of air, moisture, or minerals attacking the surface which causes further corrosion.

IT-2519 offers the highest durability and performance; it passes 5000+ hr salt spray test as per ASTM B-117. It is an excellent self-priming finish coat on a variety of substrates such as steel, aluminum, coated metal, asbestos sheet, glass fibre reinforced polyester, wood etc. The cured film is hard, abrasion resistant and provides excellent weather ability and is resistant to humidity, most solvents, chemicals and some acids. It can be over coated on any paint (enamel-epoxy-PU) to give extra strength and increase the life of the metal.

## *Suggested Uses:*

- An ideal anticorrosion coating for all kind of structural at Ports & Docks, Dry docking, Jetty, Conveyor belts, Cranes, Pipe lines etc.
- Onboard coating for Ship builders, Ship repairs, Deck, Ballast tank, containers etc.
- Automobiles Industries - Body, Spare parts, ancillary units, structures etc
- Locomotive and Railways - Wagons, Bogies, Coaches, Tracks, Clips, Tankers,
- Industrial Fabrication - Machinery & Equipment manufacturing
- Building Construction - RCC structures, Steel Rebar coating & structures
- Installations at Petroleum and Petrochemical Industries.
- Oil and Natural Gas Installations - Pipe lines, Platforms, Open Structure etc.

**Technical Data:**

Color	Silver-grey
Finish	Matt finish
Volume Solids	64% ±2 %
Mixing Ratio	Base 4 : Adduct 1 by volume
Pot Life	1 ½ hours (Depending on ambient temperature)
Recommended DFT	Approx. 140 -180 microns / two coats (minimum 2 coats required)
Theoretical Coverage	9.10 m <sup>2</sup> / L @ 70 microns dft – One Coat 7.10 m <sup>2</sup> / L @ 90 microns dft – One coat
Heat Resistance	Upto 180 °C dry heat (Intermittent)
Drying Time	<ul style="list-style-type: none"> <li>• Surface Dry : 1 hour</li> <li>• Hard Dry : 4 to 6 hours</li> <li>• Full Cure : 7 days</li> </ul>
Over-coating Interval	<ul style="list-style-type: none"> <li>• 2 - 6 hours minimum</li> <li>• 3 days maximum</li> </ul>
Shelf Life	12 months in sealed container when stored in sheltered room at ambient temperatures
VOC Level	351 grams/Lt.
Chemical Resistance	Resistant most solvents, chemicals and some acids
Lead Level	Lead free
Airless Spray	Tip size: 0.015"- 0.019" Fluid pressure: 2000- 2500 psi
Packing	4 and 20 Lt.

**Method of application:**

- Remove loose rust scales, flaking rust, dew, oil or grease particles from the surface by appropriate means. However, there is no need to remove all the traces of rust.
- IT-2519 does not require tedious and hazardous sand-blasting process.
- The coating can also be applied on nascent metal surfaces.
- Mix as per recommended ratios: Base coat & adduct-hardener must be hand stirred separately followed by power driven stirrer for quick homogenous mixing for atleast five minutes.
- A minimum 140 to 180 micron / two coat should be applied to get optimum result.
- Apply coating by brush, roller or spray.
- Leave a minimum of 2 – 6 hours gap between re-coats
- The coating not be applied on chlorinated rubber.
- The coating is to be applied neat. There is no need to use a thinner. No curing agent needed. If at all a thinning is required, use 5 - 10% PU thinner

**Disclaimer:**

This product Data Sheet was last updated in July 2009. The information contained in the data sheet reflects the state of engineering know-how and the results of extensive tests and practical application studies. However, on the account of diversity of possible applications and technical conditions, this information can be regarded as indicative for suitable application and is not necessarily transferable to specific instances. Accordingly we recommend, in every case, that trials be conducted on specific applications before any general product use. No direct or indirect liabilities are accepted unless specified.



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