

Technical Data Sheet

Environmentally Friendly Heavy-Duty Anti-Corrosion Paint Technology

AnCatt Inc. invented an ion-barrier anticorrosion coating system consists of a unique primer which does not contain any heavy-metal anticorrosion pigments, a top layer, and an optional interlayer. The system functions as an effective ion-barrier to protect metals from corrosions.

Coating Features

- **Heavy-Duty Anti-Corrosion Protections:** 5,000 hours of Salt Fog (ASTM B 117) and Cyclic Weathering (ASTM D 5894) exposures with no appearance of rusting or blistering. Also, the panels had no visible changes in appearance, including cracking, flaking, and chalking. Testing reached 5,000 hours by the beginning of February 2010 (Please visit www.ancatt.com for pictures and details)
- **Environmentally Friendly:** The primer contains no heavy-metal pigments such as Zinc, Chromate, or Lead
- **Scratch and Pinhole Tolerant**
- **Very Good Adhesion:** Tensile adhesion (pull-off strength) was 700-800 psi on samples following 1100 hours Cyclic Weathering Test. (Please visit www.ancatt.com for pictures and details)
- **Surface Tolerant**
- **Protects Many Metals** besides Iron/steel, for example, Zinc, Aluminum, Copper, Silver, etc.
- **Two-Component** aliphatic urethane is used as the topcoat resin that provide
 - Exceptional gloss retention
 - Excellent abrasion resistance
 - Excellent chemical resistance
- **Light Weight**
- **Low Raw Materials Costs**
- **Easy to Manufacture**

Typical Uses

The coating system could be used in severe conditions to protect structural steel, pipeline, tanks, bridges, offshore platforms, marine hulls, superstructures, decks, etc.

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Properties	Color	Solid Content	Thickness (µm)	Coverage (g/m ²)	Surface Drying (hrs)	Drying (hrs)	Shelf Life (month)	Mixing Ratio
Primer	Light Blue	~50%	20-40	100-180	0.5	4	6-9	1/0.65
Inter-Layer	White /Ivory	~79%	50-100	125-250	2	16	6-9	1/0.16
Topcoat	Many	~83%	50-100	120-240	3	16	6-9	1/0.15