

## Technical Data Sheet Environmentally Friendly Miracle iBarrier™ Anti-Corrosion Paint

AnCatt Inc. has successfully developed an anticorrosion coating system which consists of a unique primer that does not contain any heavy-metal anticorrosion pigment, an epoxy coat, and an optional polyurethane layer. The system functions as an effective barrier to provide unprecedented corrosion protection for metals. Please visit [www.ancatt.com](http://www.ancatt.com) for more product details and test data.

### Coating Features

- **Heavy-Duty Anti-Corrosion Protection:** Over **13,000** hours of Salt Fog (ASTM B 117) still with no appearance of rusting or blistering. Also, designated tested panels exhibited no visible changes in appearance, including cracking, flaking, and chalking
- **Environmentally Friendly:** Contains no heavy-metals such as Zinc, Chromate, or Lead
- **Scratch and Pinhole Tolerant / Self-healing**
- **Very Good Adhesion:** Tensile adhesion (pull-off strength ASTM D 4541) was 700-800 psi on samples following 1,100 hours Cyclic Weathering Exposure (ASTM D 5894). Tape adhesion (ASTM D 3359) testing resulted in perfect rating (5A) for each of the replicates after 8,000 hrs of salt fog exposure
- **Surface Tolerant:** No special surface preparation such as sand blasting is required
- **Protects Various Metals** besides Iron/steel, such as, Galvanized steel, Aluminum, Copper, Silver, Titanium, etc.
- **Two-Component Aliphatic Urethane** is used as the topcoat resin that provides
  - Exceptional gloss retention
  - Excellent abrasion, chemical, and UV resistance
- **Light-Weight & Thinner Coat**
- **Low Raw Materials Costs**
- **Easy to Manufacture & apply with roller, brush, or sprayer**

### Typical Uses

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

### Technical Datasheet

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