

Raybo 80 NoRust

Flash Rust Protection for High Performance Coatings

Raybo 80 NoRust is an effective flash rust inhibitor specifically designed for use in high performance protective coatings and aggressive systems and substrates. As a result, Raybo 80 NoRust prevents flash rusting in a variety of water based systems. The addition of Raybo 80 NoRust at 0.5 to 2.0% does the following:

- Eliminates flash rust in direct-to-metal applications
- Provides vapor phase in-can corrosion protection
- Protects lined containers from corrosion when micro-cracked

Flash Rust Protection



Scribed panel coated with flat white vinyl-acrylic latex

Suggested Formula: Flat White Vinyl-Acrylic Latex (UCAR 379G) with 0.5% Raybo 80 NoRust

Use high speed dispersion to mix the following:

Water	165.8
BYK-035 ¹	1.7
Ethylene Glycol ²	17.9
Tamol 731A 25% ³	6.0
Triton X-100 ⁴	6.8
Natrosol 250 HXR ²	5.5

Mix well, then add the following:

Ti Pure R-900 ⁵	49.7
Satintone W ⁶	256.9
Gamaco ⁷	271.6
BYK-035 ¹	4.1

Disperse to 5.0+ Hegman Grind, then add the following:

Water	336.6
UCAR 379G ⁴	76.1

Mix well, then add the following:

Texanol ⁸	4.5
Amp-95 ⁴	0.5
Busan 1024 ⁹	2.4
Raybo 80 NoRust ¹⁰	6.0

Physical Properties:

Grind (Hegman)	5.0+
Viscosity (KU)	87-90
pH	8.5-9.5
Total Weight	1212.1
Density (lbs/gal)	12.12
% Weight Solids	53.09
% Volume Solids	31.98
PVC%	80.36
VOC (lbs/gal, with exempt solvent)	0.23
VOC (lbs/gal, minus exempt solvent)	0.65

Suppliers:

1 BYK Chemie	6 BASF
2 Ashland	7 Imerys
3 Rohm and Haas	8 Eastman Chemical
4 Dow Chemical	9 Buckman Laboratories
5 DuPont	10 Raybo Chemical

Vapor Phase In-Can Corrosion Protection



Panels partially immersed in UCAR 379 for 23 days (120°F, pH adjusted to 8.3)