X²SteelOXANE

Selection & Specification Data

Generic Type
Modified Siloxane Hybrid

Description
X²SteelOxane is a premium, ultra-durable coating that provides outstanding gloss and color retention for exterior exposures. X²SteelOxane combinates the chemical resistence properties of epoxies with the weathering characteristics of acrylic-polyurethanes. The tightly cross-linked film results in a finish with outstanding barrier properties and weathering performance that far exceeds polyuretanes!

Features
- Exceptional weatherability
- Long life performance
- Outstanding gloss/colour retention
- VOC compliant to current AIM regulations´
- Excellent abrasiation resistence
- Flexible Film
- Isocyante free

Color Refer to color guide, RAL 9006

Finish Gloss

Primers Compatible with inorganic and organic zinc rich primers and others recommended by our technical service

Dry Film Thickness
3-7 mils (75-150microns)
Do not exceed 150 microns

Solids Content By Volume: 80% ± 1%

Theoretical Coverage Rate
10,7 m2/l at 75 microns
Allow for loss in mixing and application

VOC Values
As supplied: 1.8 lbs/gal (216 g/l)These are nominal values and may vary slightly with color.

Dry Temp. Resistance
Continuous: 93°C
Non-Continuous: 121°C

Substrates & Surface Preparation

General
Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.

Steel
Non Immersion: SSPC-SP6 with a Surface Profile 37,5-62,5 micron
SSPC-SP 2 as minimum required with recommended primer

Gaqlvanized Steel or Aluminum
SSPC-SP1 and prime with recommended primer

Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General Guidelines:

Spray Application (General)
Recommended for application by single or plural component airless spray. This is a high solids coating and may require adjustments in spray techniques. Wet film thickness is easily and quickly achieved. The following spray equipment has been found suitable and is available from anufacturers such as Binks, DeVilbiss and Graco.

Conventional Spray
Not recommended

Airless Spray
Pump Ratio: 30:1 (min.)*
GPM Output: 2.5 (min.)
Material Hose: ½" I.D. (min.)
Tip Size: 0,017-0,21"
Output PSI: 1500- 2000 PSI
Filter Size: 60 mesh

*Teflon packings are recommended and available from the pump manufacturer. Contact Scandex Technical Service for plural component equipment recommendations.

Brush & Roller (General)

Brush For touch up and limited areas only.
Roller Short to medium nap mohair roller cover with phenolic core

Mixing & Thinning

Mixing
Power mix A separately, then combine and power mix. Part B do not mix. Than combine power mix.
DO NOT MIX PARTIAL KITS.

Ratio 2,2:1 Ratio (A to B) by volume

Thinning Not recommended. Use of thinners other than those supplied or recommended may adversely affect product performance and void product warranty, whether expressed or implied.

Pot Life
8 hours at 75°F (24°C). Pot life ends when coating loses body and begins to sag. Pot life times will be less at higher temperatures.

Cleanup & Safety

Cleanup
Use Scandex Thinner or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Safety
Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation
When used in enclosed areas, through air circulation must be used durling and after application until coating is cured. The ventilation system shall be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for solvent used. User shall monitor exposure levels. If not able, use MSHA/NIOSH approved air respirator.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	60°-85°F (16°-29°C)	60°-85°F (16°-29°C)	60°-90°F (16°-32°C)	0-80%
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	125°F (52°C)	110°F (43°C)	90%

Industrie standards are for substrate temperatures to be 3°C above the dew point. Protect from high humidity, dew and direct moisture contact until fully cured. Application and/or curing in humidities above maximum, or exposure to moisture from rain or dew may result a loss of gloss and /or staining of the product

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Touch	Dry to Topcoat	Dry to Hard Cure
2°C	8 Hour	24 Hours	30 Hours
14°C	2,5 Minutes	12 Hours	24 Hours
24°C	2,0 Minutes	6 Hours	18 Hours

Packaging, Handling & Storage

Shipping Weight (Approximate)
1 Gallon Kit/12 lbs (6,0 kg)
5 Gallon Kit/53 lbs (30 kg)

Flash Point (Setaflash)
Part A: >36°C
Part B: >24°C

Storage (General)
Store Indoors. KEEP DRY

Storage Temperature & Humidity
4°- 43°C)
0-90% Relative Humidity

Shelf Life
Part A & B: 24 months if stored at 24°
.
***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**