



DESCRIPTION

A two-component, premium quality epoxy primer, ideal for ferrous applications requiring corrosion and chemical resistance, and mechanical durability. Excellent for use on heavy equipment, exterior storage tanks, trucks and trailers, farm implements, and oilfield equipment. For best results use complete NexShield coating system.

FEATURES

FerraPrime is known for its ease of application and versatility, with exceptional resistance to solvents, mild chemical solutions, oils, acids and water in splash or spill environments.

- Fast air dry
- Excellent corrosion resistance
- Superior resistance to solvents and chemicals
- High sag
- Low VOC
- 100% lead free

QUICK REFERENCE

Mix Ratio	3:1 (Resin to Catalyst)
Catalyst	80105C FerraPrime Catalyst
Recommended Thickness	2.5-4.0 mils (65 - 100 microns)
Theoretical Coverage	866 ft²/usg @ 1.0 mil DFT (21.3 m ² /L @ 25 microns DFT)
Thinner / Clean-up	Q650 Universal Reducer

PRODUCT DATA

Type	Epoxy Primer
Gloss	Matte
Colour	Grey
VOC (mixed)	340g/L
Weight Solids (mixed)	66.0 ± 3.0%
Volume Solids (mixed)	54.0 ± 2.0%
Viscosity (mixed)	60-70 KU
Flash Point	23°C (73°F)
Sag Resistance	12 mils wet
Shelf Life	1 year from shipment

These technical specifications are based on results from product 105FP-Grey.

APPLICATION GUIDE

Surface	Steel
Pot Life	6 - 8 hours @ 25°C (75°F)
<i>Dry time at 73°F (23°C) 50% relative humidity</i>	
Cure times	
To Touch	1 hour
Tack Free	4 - 6 hours
To Recoat	>1 hour < 72 hours
Hard	24 hours

PERFORMANCE

Corrosion Resistance	1500 hours salt spray @ SSPC SP10 with 4-6mils DFT
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APPLICATION EQUIPMENT

Conventional Air Spray	Reduce up to 8% with Q650 if required
Air Assisted Airless	Reduce up to 8% with Q650 if required
Airless	Reduce up to 8% with Q650 if required
Electrostatic Spray	Some adjustments for polarity may be necessary to maximum of 2 mohms
Brush & Roll	Use as described within specified pot life

SURFACE PREPARATION

All surfaces must be clean and free from dirt, oils, rust, flaking paint, and other contaminants. Ensure a sandblast quality of SSPC-SP6 (NACE 3) commercial blast or better. Proper surface preparation will enhance the performance of the coating system.

Important: FerraPrime should be topcoated within one week to ensure good intercoat adhesion. Temperatures in excess of 80°F can shorten this time due to an accelerated cure response. Outside this limit the surface should be sanded and cleaned prior to top coating.



APPLICATION INSTRUCTIONS

THINNING: Thinning is not necessary, but may facilitate flow depending on application equipment, use up to 10% total by volume. Only use the specified thinners approved by the manufacturer. Be aware that additional reduction (solvent) will increase the VOC levels of the mixed coating. Always know VOC laws for coating application in your area and follow regulated restrictions.

APPLICATION: Mix thoroughly before use, A to B ratio is 3:1. Combine 1 gallon "A" FerraPrime Epoxy Primer with 1 quart "B" 80105C and mix well. Apply when surface and air temperature are between 35°F-100°F (7°C-38°C) Ensure surface temperature is at least 5°F (3°C) above the dewpoint.

DRYING TIME: See application data for typical dry times. Low temperature, high humidity, poor ventilation and thick films will slow drying.

CLEAN UP: Flush mixed material from pot and lines immediately after use. Clean up paint tools or spills immediately with recommended thinner, carefully observing cautions on paint and thinner labels. Dried paint may be removed by scraping.

SAFETY & STORAGE

For industrial use only by professional applicators. Always wear appropriate safety equipment and observe proper handling techniques.

Refer to **Material Safety Data Sheet** for proper health and safety information. Store in cool, dry, and secure location. Consult your Niskoat representative for more information.

GENERAL PURPOSE SYSTEM SPECIFICATIONS

Sandblast	SSPC-SP6 (NACE 3) Commercial Blast or SSPC-SP5 (NACE 1) Near-white Blast
	105FP
Prime	FerraPrime Epoxy Primer
	2.5 - 4.0 mils DFT (65-100 microns)
	5xxNX - Colour
Topcoat	NexShield HS Urethane Topcoat
	2.0 - 3.0 mils DFT (50-75 microns)
	500NX - Clear
Clear Coat (optional)	NexShield HS Urethane Topcoat
	1.0 - 2.0 mils DFT (25-50 microns)
TOTAL SYSTEM	5.5 - 9.0 mils DFT (140-225 microns)
	Q650
Thinner	Universal Reducer



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IMPORTANT – The information contained in this data sheet pertains to material currently offered and represents the results of Laboratory evaluation and is intended as a guide. Since the customer's application requirements are not under our control, Nisku Industrial Coatings Ltd. and Niskoat Ltd. cannot make any warranties or guarantees for the results obtained.