Enviroline® 58HS-LT

International®

Epoxy

PRODUCT DESCRIPTION

Enviroline 58HS-LT is a high solids, low viscosity, VOC compliant rust inhibitive epoxy polyamide primer.

INTENDED USES

Designed as an excellent holding primer for interior or exterior steel, concrete, and masonry surfaces requiring an extended recoat window. Typical uses are for steel structures, off-shore rigs, interior and exterior of tanks, rail cars, machinery, equipment or any ferrous substrate that requires a rust inhibitive holding primer.

Also recommended for use as a penetrating primer on concrete and masonry surfaces.

Enviroline 58HS-LT displays a number of benefits:

- Excellent adhesion
- Rust inhibiting
- Excellent holding primer
- Excellent aged recoatability
- Spray, roller or brush applied
- Excellent corrosion resistance

PRACTICAL INFORMATION FOR ENVIROLINE 58HS-LT

Color	Tan
Gloss Level	Not applicable
Volume Solids	72%
Typical Thickness	2-4 mils (50-100 microns) dry equivalent to 2.8-5.6 mils (69-139 microns) wet
Theoretical Coverage	385 sq.ft/US gallon at 3 mils d.f.t and stated volume solids 9.60 m²/liter at 75 microns d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Roller, Brush

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
20°F (-7°C)	16 hours	72 hours	24 hours	90 days
32°F (0°C)	8 hours	48 hours	16 hours	60 days
50°F (10°C)	4 hours	24 hours	8 hours	30 days

REGULATORY DATA

Flash Point (Typical)	Mixed 39°F (4°C)	
Product Weight	12.0 lb/gal (1.44 kg/l)	
VOC	<250 g/lt (<2.04 lbs/gal)	Calculated

See Product Characteristics section for further details

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SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504-2000.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Steel Substrates

Best results will be obtained when steel surfaces are prepared by abrasive blast cleaning to Sa2½ (ISO 8501-1:2007) or SSPC SP10. A surface profile of 2-3 mils (50-75 microns) is required.

Weld seams and damaged areas should be blast cleaned to Sa2½ (ISO 8501-1:2007) or SSPC-SP10.

Concrete Substrates

Refer to International Protective Coatings' Concrete Surface Preparation Guidelines for further information.

APPLICATION

Mixing	Material is supplied in two containers as a unit. Complete units should be stored, mixed and applied in accordance with the Enviroline Application Guidelines.	
Mix Ratio	3 part(s) : 1 part(s) by volume	
Working Pot Life	77°F (25°C) 3 hours	
Airless Spray	Recommended	Tip Range 19-25 thou (0.48-0.64 mm) Refer to Enviroline Application Guidelines for more details.
Brush	Suitable	Use a natural bristle brush.
Roller	Suitable	Use a short nap roller. See Product Characteristics section for further details
Thinner	Not normally required. If necessary, use Enviroline 76T.	Do not thin more than allowed by local environmental legislation
Cleaner	Enviroline 71C	
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with Enviroline 71C. Once units of paint have been mixed, they should not be resealed and it is advised that after prolonged stoppages, work recommences with freshly mixed units.	
Clean Up	Clean all equipment immediately after use with Enviroline 71C. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency should depend upon amount sprayed, temperature and elapsed time, including any delays. All surplus material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	

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PRODUCT CHARACTERISTICS

The detailed Enviroline Application Guidelines should be consulted prior to use.

This datasheet provides general guidance on the use of Enviroline 58HS-LT . Specific project requirements will be dependent upon the service end use and operating conditions of the tank or vessel.

The detailed project coating specification provided by International Protective Coatings must be followed at all times.

Stripe coating is an essential part of good working practice and as such should form part of any lining specification.

Surface temperature must always be a minimum of 5°F (3°C) above dew point.

New rollers should be thoroughly wet using Enviroline 76T Thinner and spun rigorously to remove loose fibers.

Use the following chart for preferred temperature conditions. These conditions plus adequate ventilation must be maintained throughout the curing cycle.

	Substrate Temperature	Air Temperature
Preferred	30-65°F (0-18°C)	30-65°F (0-18°C)
Minimum	20°F (-7°C)	20°F (-7°C)

Enviroline 58HS-LT is not suitable for use on heavily pitted steel.

Maximum continuous dry temperature resistance for Enviroline 58HS-LT is 250°F (121°C).

Enviroline 58HS-LT may discolor at temperatures above 140°F (60°C). Maximum immersion service temperature is dependent on cargo, service conditions and topcoat selection. Consult International Protective Coatings for information.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in color and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

Enviroline 58HS-LT is compatible with a wide range of Enviroline linings. Please refer to the project coating specification for details.

Enviroline 58HS-LT should always be used as part of a system; it is not intended to be a single coat system.

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ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage
- Enviroline Application Guidelines

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations.
All work involving the application and use of this product should be performed in compliance with all relevant national Health, Safety and Environmental standards, regulations and legislation.

Proper ventilation must be provided during application and afterwards during curing (refer to product datasheets for typical curing times) to ensure safe limits and prevent fires and explosions. Forced extraction will be required in confined spaces. Ventilation and/or respiratory personal protective equipment (airfed hoods or appropriate cartridge masks) must be provided during application and curing. Take precautions to avoid skin and eye contact (overalls, gloves, goggles, masks, barrier cream, etc).

Before use, obtain, read and then follow the advice given on the Material Safety Data Sheets (Base and Curing Agent if two-pack) and the Health and Safety section of the Coatings Applications Procedures for this product.

In the event that welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

The detailed safety measures are dependent on application methods and the work environment. If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product and consult International Protective Coatings.

PACK SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
4 US gal	3 US gal	5 US gal	1 US gal	2 US gal

For availability of other pack sizes contact International Protective Coatings

SHIPPING WEIGHT (TYPICAL)

Unit Size	Part A	Part B
4 US gal	39.6 lb	9.5 lb

STORAGE

Shelf Life	24 months minimum at 77°F (25°C) in original, unopened containers. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

Disclaimer