

Conductive Tank Lining

PRODUCT DESCRIPTION

A two component, 100% volume solids, electrostatic dissipative, epoxy tank lining.

INTENDED USES

To provide corrosion protection to the internals of steel storage tanks containing flammable cargos where conductivity of static charge is required to reduce risk of explosion.

Approved to DiBt 'Internal Tank Lining for Steel Tanks'

Chemically resistant to most hydrocarbon fuels as well as ethanol making it suitable for biofuels containing any concentration of ethanol.

Resistant to crude oil in immersion up to temperatures of 90°C.

PRACTICAL INFORMATION FOR ENVIROLINE 2567

Colour	Dark Grey			
Gloss Level	Semi Gloss			
Volume Solids	100%			
Typical Thickness	500-1800 microns (20-72 mils) dry equivalent to 500-1800 microns (20-72 mils) wet			
Theoretical Coverage	1.30 m ² /litre at 750 microns d.f.t and stated volume solids 53 sq.ft/US gallon at 30 mils d.f.t and stated volume solids			
Practical Coverage	Allow appropriate loss factors			
Method of Application	Heated Plural Component Airless Spray			
Drying Time	Overcoating interval with self			
Temperature	Touch Dry	Hard Dry	<i>Minimum</i>	<i>Maximum</i>
23°C (73°F)	1	12 hours	*	*

¹ For Mechanical Loading and Return to Service times please refer to page 3.

*If further coats are required abrasion of the surface will be necessary. Contact International Protective Coatings for further details.

REGULATORY DATA

Flash Point (Typical)	Part A >200°C (392°F); Part B >110°C (230°F); Mixed >110°C (230°F)		
Product Weight	1.5 kg/l (12.5 lb/gal)		
VOC	7 g/kg	EU Solvent Emissions Directive (Council Directive 1999/13/EC)	

See Product Characteristics section for further details

Protective Coatings

Conductive Tank Lining

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 EN ISO 14879-1.

Where necessary, remove weld spatter, and where required smooth weld seams and sharp edges.

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

Abrasive Blast Cleaning

Best performance will always be achieved when Enviroline 2567 is applied to surfaces prepared by abrasive blast cleaning to Sa2½ (ISO 8501-1:2007). A sharp, angular surface profile of greater than or equal to 50 microns is recommended.

Enviroline 2567 must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be reblasted to the standard specified above. Surface defects revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner.

The preferred method of holding the blast standard is by dehumidification.

APPLICATION

Mixing	Material to be mixed inside Heated Plural Airless Spray Machine. Small volumes for touch up work may be mixed by hand.	
Mix Ratio	3 part(s) : 1 part(s) by volume	
Working Pot Life	23°C (73°F)	60°C (140°F)
	30 minutes	5 minutes
Plural Component Airless Spray	Recommended	Refer to Enviroline 2567 Application Guidelines for more details. Tip Range 0.53-0.89 mm (21-35 thou)
Brush	Suitable - small areas only	Can be used for the touch-up of small areas or for stripe coating of welds and edges.
Thinner	Not recommended	
Cleaner	Enviroline 67C	
Work Stoppages	Do not allow mixed material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with Enviroline 67C. 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 that has been in contact with mixed Enviroline 2567 immediately after use with Enviroline 67C.	
	All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	

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PRODUCT CHARACTERISTICS

The detailed Envioline 2567 Application Guidelines should be consulted prior to use.

This datasheet provides general guidance on the use of Envioline 2567. Specific project requirements will be dependent upon the service end use and operating conditions of the tank or vessel. Always consult International Protective Coatings to confirm that Envioline 2567 is suitable for contact with the product to be stored.

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.

For heavily pitted or porous steel, spray apply approximately 50% of the required film thickness and follow immediately with a short nap roller or squeegee to work material into the bottom of pitted areas.

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

For plural component airless spray application, both components of the Envioline 2567 must be heated to 50°C and individually mixed until uniform prior to entering the spray pump. The mixed material should be at 65°C - 70°C at the spray tip. At these temperatures the Pot Life will be approx 5 minutes.

After the coating system has cured hard, the dry film thickness should be measured using a suitable non-destructive magnetic gauge to verify the minimum applied system thickness. The coating system should be free of all pinholes or other holidays. The cured film should be essentially free of runs, sags, drips, inclusions or other defects. All deficiencies and defects should be corrected. The repaired areas shall be retested and allowed to cure as specified before placing the finished lining into service.

Maximum continuous dry temperature resistance for Envioline 2567 is 149°C (300°F).

<u>Temperature</u>	<u>Mechanical Loading</u>	<u>Return to Service</u>
10°C (50°F)	72 hours	5 days
23°C (73°F)	48 hours	2 days
30°C (86°F)	24 hours	2 days

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 colour and normal manufacturing tolerances.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

SYSTEMS COMPATIBILITY

Envioline 2567 should always be applied to correctly prepared substrates. A primer is not available for the system.

Envioline 2567 is designed as a single coat system, it must only be overcoated with itself should re-coats or touch-up be required.

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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 2567 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 in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event 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.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

Warning: This product contains liquid epoxies and modified polyamines and may cause skin sensitisation if not used correctly.

PACK SIZE	Unit Size	Part A		Part B	
		Vol	Pack	Vol	Pack
	20 litre	16 litre	20 litre	16 litre	20 litre

For availability of other pack sizes, contact International Protective Coatings.

SHIPPING WEIGHT (TYPICAL)

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

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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