

Temporary Protective Primer

PRODUCT DESCRIPTION

A single component, fast drying primer based on a specially modified synthetic resin. On heating the coating will decompose to leave an inert residue, with minimal evaporation of organic condensation products.

INTENDED USES

To provide a temporary barrier against corrosion during manufacture, transit and erection of steel structures which will be subjected to heat such as pipework, boilers, flues, chimneys, pipelines etc.

The decomposition characteristics of this product allow its use in the burner section of power stations.

PRACTICAL INFORMATION FOR INTERTHERM 79

Colour	Red, White
Gloss Level	Matt
Volume Solids	50%
Typical Thickness	60 microns (2.4 mils) dry equivalent to 120 microns (4.8 mils) wet
Theoretical Coverage	8.30 m ² /litre at 60 microns d.f.t and stated volume solids 334 sq.ft/US gallon at 2.4 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Air Spray

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
5°C (41°F)	30 minutes	40 minutes	Not applicable	Not applicable
15°C (59°F)	20 minutes	30 minutes	Not applicable	Not applicable
25°C (77°F)	15 minutes	25 minutes	Not applicable	Not applicable
40°C (104°F)	10 minutes	20 minutes	Not applicable	Not applicable

REGULATORY DATA

Flash Point (Typical)	27°C (81°F)	
Product Weight	1.50 kg/l (12.5 lb/gal)	
VOC	3.67 lb/gal (440 g/l) 297 g/kg	EPA Method 24 EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

Protective Coatings

Temporary Protective Primer

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from salt 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.

Intertherm 79 can be applied over smooth solvent cleaned substrates as well as abrasive blast cleaned surfaces. Application over blast cleaned substrates gives improved anti-corrosive performance.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.		
Airless Spray	Recommended	Tip Range 0.33-0.45 mm (13-18 thou) Total output fluid pressure at spray tip not less than 141 kg/cm ² (2005 p.s.i.)	
Air Spray (Pressure Pot)	Recommended	Gun	DeVilbiss MBC or JGA
		Air Cap	704 or 765
		Fluid Tip	E
Air Spray (Conventional)	Recommended	Use suitable proprietary equipment	
Brush	Suitable - small areas only		
Roller	Suitable - small areas only		
Thinner	International GTA007	Do not thin more than allowed by local environmental legislation	
Cleaner	International GTA007		
Work Stoppages	Thoroughly flush all equipment with International GTA007. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered prior to use.		
Clean Up	Clean all equipment immediately after use with International GTA007. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.		
	All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.		

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PRODUCT CHARACTERISTICS

Intertherm 79 has been specially designed to act as temporary anti-corrosion protection for steel structures during manufacture, fabrication and erection. It is particularly useful where steelwork will be subjected to elevated temperatures once placed in service. On heating the coating will degrade to yield an inert residue on the surface and release minimal amounts of organic condensation products into the atmosphere, thereby allowing the use of Intertherm 79 in flues, ducts and chimneys etc., with no effect on filtration systems.

Maximum film build in one coat is best attained by airless spray. When applying by methods other than airless spray, the required film build is unlikely to be achieved. Application by air spray may require a multiple cross spray pattern to attain maximum film build. Low or high temperatures may require specific application techniques to achieve maximum film build.

At low temperatures it may be necessary to thin Intertherm 79 to enable spray application to be performed. Normally 10% thinning (by volume) with International GTA007 will be satisfactory for this purpose.

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

When applying Intertherm 79 in confined spaces ensure adequate ventilation.

This product is not intended for use in aggressive, corrosive environments, or on heavily pitted or contaminated steel.

Intertherm 79 is not designed for continuous water immersion.

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.

SYSTEMS COMPATIBILITY

In most circumstances this product is applied direct to steel and is not overcoated.

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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

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.

PACK SIZE	Unit Size	Vol	Pack
	20 litre	20 litre	20 litre
For availability of other pack sizes, contact International Protective Coatings.			
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	20 litre		31.9 kg
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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