

### Hot Spread Epoxy

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PRODUCT DESCRIPTION	A low VOC, surface to application onto high to			•	esigned for
	Based on hot spread e coating for high tempe		rtherm 2205 is a r	next generation epox	y phenolic
	Intertherm 2205 provid easy application prope	les excellent Corrosio erties when applied dir	n Under Insulatior ectly to high temp	n (CUI) and heat resister the resister of the resister of the rest of the resister of the resi	stance, alongside
INTENDED USES	For the maintenance a environments, which o				
	Intertherm 2205 is des between 60°C (140°F) continuing operations maintenance in refiner offshore structures, wh	and 205°C (401°F), ir during maintenance p ies, petrochemical pla	n facilities where it eriods. Intertherm ints and other agg	is desirable to reduc 2205 is ideal for hig ressive environment	e downtime by h temperature
	Suitable for use on ins	ulated or uninsulated	surfaces.		
PRACTICAL	Colour	Aluminium			
INFORMATION FOR INTERTHERM 2205	Gloss Level	Not applicable			
	Volume Solids	85%			
	Typical Thickness		s (4-8 mils) dry equ s (4.7-9.4 mils) we		
	Theoretical Coverage			nd stated volume soli nd stated volume so	
	Practical Coverage	Allow appropriate	e loss factors		
	Method of Application	Brush, Roller			
	Drying Time				
					Interval with led topcoats
	Temperature	Touch Dry	Hard Dry	Minimum	Maximum
	60°C (140°F)	30 minutes	60 minutes	60 minutes	24 hours
	100°C (212°F)	5 minutes	15 minutes	15 minutes	24 hours
	205°C (401°F)	4 minutes	4 minutes	4 minutes	24 hours
REGULATORY DATA	Flash Point (Typical)	Part A 43°C (109°F)	); Part B 104°C (2	19°F); Mixed 50°C (1	22°F)
	Product Weight	1.34 kg/l (11.2 lb/ga	I)		
	VOC	0.80 lb/gal (97 g/lt)	EPA Metho	od 24	
		98 g/kg		t Emissions Directive irective 2010/75/EU)	

See Product Characteristics section for further details

**Protective Coatings** 

## AkzoNobel



### **Hot Spread Epoxy**

SURFACE PREPARATION

1

#### Steel Substrates

Intertherm 2205 has been designed specifically with maintenance considerations in mind and so can be applied over a range of surface preparation standards, for hand tooled, power tooled or abrasive blast cleaned methods, including St2, St3, Sa2, Sa2½ (ISO8501-1) and SP2, SP3, SP11, SP6, SP10 (SSPC).

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.

For hand or power tool preparation methods: areas which cannot be prepared adequately by chipping or needle gun, or where there is no pre-existing surface profile present, should be spot blasted to a minimum standard of ISO8501-1, Sa2/SSPC-SP6. Typically, this would apply to a C or D grade rusting in this standard.

#### **Stainless Steel**

Intertherm 2205 may be applied to stainless steel substrates. Surface should be clean, degreased and either abrasive blast cleaned or power tool cleaned ensuring a 35-50 $\mu$ m surface profile is achieved.

#### Aged Coatings

Intertherm 2205 is suitable for overlap onto most aged coating systems including residual inorganic zinc silicate coatings. Remove all loose, flaking or poorly adhering coatings back to a firm edge and prepare the bare steel as above, without polishing the surface. Aged epoxy coatings and any glossy areas should be abraded; all areas to be coated should be clean, dry and free of oil or grease prior to painting.

APPLICATION	Mixing	in the proport within the wor (1) Agita (2) Com	ons supplied. king pot life s ate Base (Part bine entire co	Once the unit ha becified. A) with a power	Agent (Part B) with Base	
	Mix Ratio	3.50 part(s): 1	part(s) by vo	ume		
	Working Pot Life	10°C (50°F)	15°C (59°F)	25°C (77°F)	40°C (104°F)	
		2 hours	2 hours	90 minutes	60 minutes	
	Brush	Recommende	,	pically 100-150 hieved	microns (4.0-6.0 mils) can be	
	Roller	Recommende	d Ty		microns (4.0-5.0 mils) can be	
	Thinner	Not recommer	nded			
	Cleaner	International C	STA007			
	Work Stoppages	material have	been mixed th	ey should not b	tional GTA007. Once units of e resealed and it is advised nences with freshly mixed	
	Clean Up		practice to pe	•	vith International GTA007. It is equipment during the course of	
					hould be disposed of in tions/legislation.	



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PRODUCT CHARACTERISTICS	Intertherm 2205 is a low VOC, surface tolerant, high build coating which provides excellent corrosion resistance for process pipe, valves and vessels operating continuously at temperatures up to 205°C (401°F), and which can withstand intermittent surges up to 230°C (446°F).
	Intertherm 2205 is the preferred product for application to hand and power tool prepared steel operating at elevated temperatures, where it is desirable for operations to continue during coating maintenance. It is designed for use on steel which is either atmospherically exposed or which is thermally insulated.
	As Intertherm 2205 is intended for application to steelwork which is in service at temperatures above 60°C (140°F), there will be a rapid release of volatiles from the applied coating and suitable personal protective equipment (PPE) should be worn during application.
	In order to ensure good anti-corrosive performance, it is important to achieve a minimum system dry film thickness of 200 microns (8 mils) by application of multiple coats (typically two coats).
	The product will thin rapidly on application to hot surfaces above 100°C (212°F). Any runs and sags which form should be worked to form a uniform film prior to full cure occurring. When paint on the brush or roller starts to cure, the brush/roller should be replaced. Thinning is not required or desired.
	When applied at temperatures above 100°C (212°F), Intertherm 2205 is suitable for re-insulation after a curing period of 10 minutes.
	On exposure to high temperatures, Intertherm 2205 may go through a colour change from aluminium to a faded bronze. This phenomenon is a normal part of the curing process and does not affect coating performance.
	Intertherm 2205 is an immersion grade coating, and is suitable for use in situations of continuous intimate contact with wet insulation. However, Intertherm 2205 is not intended for use as an internal tank lining. Intertherm 2205 is not suitable for buried service.
	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	Intertherm 2205 will normally be applied direct to metal but is compatible for overlap on the following coatings:
	Interbond 2340UPC Interplus 256 Intertherm 228HS



### Hot Spread Epoxy

DITIONAL				rma and abbr	oviations used	in this data sheet
FORMATION	Further information regar can be found in the follow					
	Definitions &	Abbreviations				
	Surface Prep	aration				
	Paint Applica	tion				
	Theoretical 8	Practical Cov	erage			
	Individual copies of these	e information s	ections are a	available upor	n request.	
AFETY RECAUTIONS	This product is intended accordance with the adv should not be used with	ice given on th	is sheet, the	e Safety Data	Sheet and the o	
	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.					
	fumes will be emitted wh	ich will require				
	fumes will be emitted wh	ich will require ventilation.	the use of a	appropriate pe	ersonal protectiv	ve equipment and
PACK SIZE	fumes will be emitted wh adequate local exhaust v	ich will require ventilation.	the use of a se of this pro	appropriate pe	ersonal protectiv	ve equipment and
PACK SIZE	fumes will be emitted wh adequate local exhaust v If in doubt regarding the	iich will require ventilation. suitability of us Part A	the use of a se of this pro	appropriate pe oduct, consult Part E	ersonal protectiv AkzoNobel for f	ve equipment and
PACK SIZE	fumes will be emitted wh adequate local exhaust v If in doubt regarding the Unit Size	iich will require ventilation. suitability of us Part A Vol 3.5 litre	the use of a se of this pro Pack 5 litre	appropriate pe oduct, consult Part E Vol 1 litre	ersonal protectiv AkzoNobel for t Pack	ve equipment and
PACK SIZE SHIPPING WEIGHT	fumes will be emitted wh adequate local exhaust v If in doubt regarding the Unit Size 5 litre For availability of	ich will require ventilation. suitability of us Part A Vol 3.5 litre other pack size	the use of a se of this pro Pack 5 litre es, contact <i>A</i>	appropriate pe oduct, consult Part E Vol 1 litre AkzoNobel.	ersonal protectiv AkzoNobel for t Pack	ve equipment and
	fumes will be emitted wh adequate local exhaust v If in doubt regarding the Unit Size 5 litre	iich will require ventilation. suitability of us Part A Vol 3.5 litre other pack size Par	the use of a se of this pro Pack 5 litre	appropriate pe oduct, consult Part E Vol 1 litre	ersonal protectiv AkzoNobel for t Pack	ve equipment and
SHIPPING WEIGHT (TYPICAL)	fumes will be emitted wh adequate local exhaust v If in doubt regarding the Unit Size 5 litre For availability of Unit Size 5 litre	iich will require ventilation. suitability of us Part A Vol 3.5 litre other pack size 5.43	The use of a se of this pro Pack 5 litre es, contact A 7 kg	appropriate pe oduct, consult Part E Vol 1 litre AkzoNobel. Part B 1.13 kg	ersonal protectiv AkzoNobel for f Pack 1 litre	ve equipment and further advice.
SHIPPING WEIGHT	fumes will be emitted wh adequate local exhaust v If in doubt regarding the Unit Size 5 litre For availability of Unit Size	ich will require ventilation. suitability of us Part A Vol 3.5 litre other pack size 5.4 12 months a	A Pack 5 litre es, contact A 7 kg at 25°C (77°l	appropriate pe oduct, consult Part E Vol 1 litre AkzoNobel. Part B 1.13 kg F). Subject to	ersonal protectiv AkzoNobel for t Pack	ve equipment and further advice. nereafter.

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