	3 pages	December 2009
DESCRIPTION	one component heat resistant moisture curing (ethyl) silicate fi	nish
PRINCIPAL CHARACTERISTICS	 up to 520°C when applied on top of heat resistant finish on zinc silicate primers can withstand substrate temperatures up to +540°C, under atmospheric exposure conditions minimizes the formation of zinc salts on atmospheric exposence of the primer salts on atmospheric exposence of the primer salts on the p	top of suitable normal sure
COLOURS AND GLOSS	white, grey - flat	
BASIC DATA AT 20°C Mass density Volume solids VOC (supplied) Recommended dry film thickness Theoretical spreading rate Touch dry after Curing time Shelf life (cool and dry place)	(1 g/cm ³ = 8.25 lb/US gal; 1 m ² /l = 40.7 ft ² /US gal) 1.7 g/cm ³ $62 \pm 2\%$ max. 276 g/kg (Directive 1999/13/EC, SED) max. 480 g/l (approx. 4.0 lb/gal) 125 µm 5.0 m ² /l for 125 µm 60 min. at 20°C 12 hours * at least 12 months	
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	 suitable zinc silicate primer (e.g. SigmaZinc 158); dry and f contamination and zinc salts substrate temperature should be at least 3°C above dew per relative humidity during curing should be above 50% 	ree from any pint
INSTRUCTIONS FOR USE	 stir thoroughly till homogeneous strain paint through a 30 - 60 mesh screen agitate continuously during application 	
AIRLESS SPRAY Recommended thinner Volume of thinner Nozzle orifice Nozzle pressure	Thinner 21-06 0 - 10%, depending on required thickness and application con- approx. 0.38 - 0.46 mm (= 0.015 - 0.018 in) 12 MPa (= approx. 120 bar; 1700 p.s.i.)	ditions
AIR SPRAY Recommended thinner Volume of thinner Nozzle orifice Nozzle pressure	Thinner 21-06 10 - 20%, depending on required thickness and application con 1.7 - 2 mm 0.3 MPa (= approx. 3 bar; 43 p.s.i.)	nditions
BRUSH	only for touch up and spot repair	
CLEANING SOLVENT	Thinner 21-06	

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SAFETY PRECAUTIONS	for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets				
	this is a solvent borne paint spray mist or vapour as we or eyes	re should be take tact between the	n to avoid inhalation of wet paint and exposed skin		
ADDITIONAL DATA	Film thickness and spreading rate				
	theoretical spreading rate	m²/l	5.0		
	dft in µm		125		
	 it is not possible to measure the actual dft as the finish will soak partly into the porous zinc silicate primer immediately after spraying the finish should have a completely wet appearance excessive thickness in overlapping areas should be avoided otherwise cracking and flaking may occur 				
	Curing table (relative hum	nidity di	uring curing sho	uld be above 50%)	
	at substrate temperatures	dry to h	andle	full cure	
	10°C	6 hours	i	48 hours	
	20°C	4 hours	i	24 hours	
	30°C	3 hours	i	12 hours	
	40°C	2 hours		8 hours	
	 adequate ventilation must be maintained during application and curing (please refer to sheets 1433 and 1434) 				
Worldwide availability	Whilst it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.				
REFERENCES	Explanation to product data Safety indications Safety in confined spaces a	a sheets and heal [:]	th safety	see information sheet 1411 see information sheet 1430	
	Explosion hazard - toxic ha	zard		see information sheet 1431	
	Safe working in confined sp	Daces		see information sheet 1433	
	Directives for ventilation pra	actice	vrature -	see information sneet 1434	
	air temperature			see information sheet 1650	





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LIMITATION OF LIABILITY

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the Sigma Coatings products made by PPG Protective & Marine Coatings, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

PPG Protective & Marine Coatings has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. PPG Protective & Marine Coatings does therefore not accept any liability arising from loss, injury or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The data contained herein are liable to modification as a result of practical experience and continuous product development.

This data sheet replaces and annuls all previous issues and it is therefore the user's responsibility to ensure that this sheet is current prior to using the product.

The English text of this document shall prevail over any translation thereof.

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