

PRODUCT DATA SHEET

Phoenix 167

DESCRIPTION	A water borne in	tumescent coa	ting for the	fire protection of struc	ctural steelwork.				
PRODUCT FEATURES AND RECOMMENDED USES	 Tested in accord Research Establ Highly competi Easy application Minimal VOC's Topseals are no Can be used ext before use to co 	dance with BS 4 lishment. tive loadings for n properties. s - EPA Complia t required in C1 ternally with all nfirm compatib- for on-site appli	76: Part 21: 1 r most steel se ant and 'envir interior envir Phoenix Tops ility. cation. Off-si	e to structural steel. 987 by Warrington Fire oction sizes, giving reduc onmentally friendly'. onments under the defin teals or other compatible te applications must be to on Notes')	ced application cos nitions in ISO 1294 e topseals. Consult	ts. 4-2: 1998. Phoenix			
VOLUME SOLIDS	68 ± 2%								
FILM THICKNESS	WET MICRONS	370 - 530	0	DRY MICRONS	250-3600				
THEORETICAL COVERAGE	1.05 m ² /litre @ @	650 microns di	ry						
APPLICATION	Airless spray, Br	ush, Roller							
	@ 650 microns dft and RH 70%		10°C	20°C	2	5°C			
	DUST FREE	DUST FREE 12hours		4 hour	30 m	inutes			
DRYING TIMES	HARD DRY 48 hours		24hours	20	hours				
		MIN 48 hours		24 hours	24 hours 20				
	OVERCOATING	MAX	See below	v* See belo	w* See	below*			
COLOURS	Off white.								
FINISH	Matt								
POT LIFE AT 23°C	Not applicable								
PRODUCT WEIGHT	1.27 kg/litre								
STORAGE CONDITIONS	Store in dry, cool conditions and protect from frost								
MIXING RATIO	Not applicable								
THINNERS	Water								
	Drying and overcoating times will vary with film thickness, temperature, relative humidity and ventilation. Do not apply below 5°C, temperature above 10°C preferred.								
	@ 650 microns dft (and RH 70%):								
	Dust Free:		<u>10°C</u> 12 hou	rs 4 hours	<u>25°C</u> 30 mins				
PRODUCT NOTES	Min. overcoating	3.	48 hour	rs 24 hours	20 hours				
Phoenix Fire Protection (ASIA) Ltd 11B, Casey Building 38 Lok Ku Road Sheung Wan Central	overcoating time surfaces must be	e is indefinite p kept in contro aken if applyir	providing the olled, dry con	 1 - consult Phoenix for surface is clean and additions until topseale used topseals to ensure : 	the coating is sou d or degradation	nd. Coated may occur. completely			
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rain, mist, sleet or snow are imminent. Do not apply or allow to dry below 5°C, temperatures above 10°C are preferred. During application and drying time of the paint coating, the surface should be dry and the Relative Humidity should not exceed 90%, and as with all water borne coatings the RH should be maintained as low as possible. The steel temperature should remain at least 3°C above the dew point.							
Off-site applications must be allowed sufficient hardening time before moving. Coated sections should be packed and handled so as to minimise damage to coating and prevent ponding by water, and should be stored and transported under cover. If possible, handling cleats should be attached to the steelwork to minimise lifting damage. Topseal must be applied before leaving the shop. On site, all damage should be repaired to original specification – consult Phoenix for advice. Please consult Phoenix to confirm topseal compatibility before application. Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when							
Mix the paint thoroughly before use. Brush/roller application will typically give up to 500 microns dft for multi-coat application, but up to 1mm can be achieved with poor cosmetic finish. Highest standard of decorative finish is only likely to be achieved with careful airless spray application. Airless spray application will give up to 1600 microns WFT in a single coat dependant on configuration. Avoid exceeding maximum stated film thicknesses.							
OUTPUT FLUID PRESSURE TIP SIZE	Min 3000 psi. 21 - 25 thou	No	No	Yes	Yes		
METHOD	AIRLESS SPRAY	AUTOMATIC SPRAY	CONVENTIONAL SPRAY	BRUSH	ROLLE		
At all times obser	ve precautional	ry notices on conta					
				ces should be	e clean, dry		
 Degrease where necessary to 551 C-51 T solvent cleaning to remove weid flux and general contamination prior to blasting. All sharp edges should be ground and weld spatter removed. Blast clean to Swedish Standard SIS 05 5900 Sa 2.5 or British Standard 7079 equivalent. Maximum profile 75 microns. Apply compatible anti-corrosive primer in accordance with manufacturers written instructions to recommended DFT – Please consult Phoenix to confirm compatibility before application. 							
Steel Degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general							
	Steel Degrease where n contamination pride Blast clean to Swe Maximum profile Apply compatible recommended DF Consult relevant p and free from all g Refer to Health ar At all times obser VOC figures are p VOC figures are p METHOD DUTPUT FLUID PRESSURE TIP SIZE Mix the paint thorow Brush/roller applica can be achieved with carefin a single coat depuication packed and handled stored and transport minimise lifting dar repaired to original Please consult Pho Only apply in conditional part of the prime of the prima of the prime of the prime of the prima of the prima of the pri	Degrease where necessary to SSI contamination prior to blasting. A Blast clean to Swedish Standard Maximum profile 75 microns. Apply compatible anti-corrosive recommended DFT – Please con Consult relevant primer Product and free from all grease, oil and a free from all grease, oil and a stall times observe precautionationation VOC figures are printed on Heal METHOD AIRLESS SPRAY OUTPUT FLUID PRESSURE TIP SIZE Min 3000 psi. 21 - 25 thou Mix the paint thoroughly before use Brush/roller application will typicall can be achieved with poor cosmetic achieved with careful airless spray a in a single coat dependant on config Off-site applications must be allower packed and handled so as to minimis stored and transported under cover. I minimise lifting damage. Topseal m repaired to original specification – c	Steel Degrease where necessary to SSPC-SP1 solvent chrontamination prior to blasting. All sharp edges shall blast clean to Swedish Standard SIS 05 5900 Sa 2. Maximum profile 75 microns. 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All sharp edges should be ground and we Blast clean to Swedish Standard SIS 05 5900 Sa 2.5 or British Standard Maximum profile 75 microns. Apply compatible anti-corrosive primer in accordance with manufacturer recommended DFT – Please consult Phoenix to confirm compatibility be Consult relevant primer Product Data Sheets for further details. All surfa and free from all grease, oil and general contamination before coating. Refer to Health and Safety data sheets. At all times observe precautionary notices on containers. VOC figures are printed on Health and Safety data. METHOD AIRLESS AUTOMATIC CONVENTIONAL PRESSURE 21 - 25 thou Mix the paint thoroughly before use. Nix the papication will typically give up to 500 microns dfl for multi-coat a cabe achieved with poor cosmetir finish. Highest standard of decorative finish achieved with careful airless spray application. Avide seeding maximus stated fi Off-site applications must be allowed sufficient hardening time before moving. 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Consult Phoenix before applying as to the suitability for use otherwise we cannot be held responsible for conditions beyond our control.