

Product Data Sheet

PHOEPOX® 5511-XLG

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April 2018



Phoepox® 5511-XLG

is a fusion bonded epoxy powder that is designed to protect the coated pipe from mechanical damage during handling, installation back fills and directional drilling. Used in combination with stand-alone FBE like Phoepox®3305-XLG.

		Typical Value	Test Method / Device	
POWDER PROPERTIES	GEL TIME	at 200°C	45-75 seconds	ISO 8130-6
	THERMAL PROPERTY	Tg1	60 ± 5°C	ISO 21809-2
		Tg2	104± 5° C	
		ΔH	40-80 J/g	
	DENSITY		1.55 ± 0.1 g/cm ³	Gas Pycnometer
	PARTICLE SIZE		99.8% < 250 μm	Laser Scattering
	MOISTURE CONTENT		≤ 0.5%	CSA Z245.20-06
COLOR		Green, Red-Brown		
PHYSICAL TESTS	CATHODIC DISBONDING on Phoepox 3305XLG	1-3 mm at -3.5VDC, 65°C, 24 hours 2-5 mm at -1.5VDC, 20°C, 28 days	CSA Z245.20-06	
	ADHESION*	Rating 1 at 75°C, 24 hours	CSA Z245.20-06	
	FLEXIBILITY*	Pass, at 3°, -30°C	CSA Z245.20-06	
	WATER RESISTANCE	No blistering at 38°C, 15 weeks No blistering at 90°C, 5 weeks	ASTM D870	
	Gouge test	Pass	R33 TC Burr,50kg load	
	STORAGE STABILITY	12 months from production date in ≤ 23°C and ≤ 65% relative humidity. Cooler temperatures and lower humidity are recommended		

*The performance will be affected by surface preparation and curing condition.



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APPLICATION DATA	RECOMMENDED FILM THICKNESS IN TOP LAYER	300-600 µm
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APPLICATION TEMPERATURE	215-240°C
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