

# Product Data Sheet

## PHOPOX® 3701

1/2

Juni 2020



**Phoepox® 3701** is a zinc-enriched fusion bonded epoxy powder that is designed for coating reinforcement steel bars. Phoepox® 3701 offers excellent adhesion to steel surfaces. Phoepox® 3701 can be applied as a primer layer for Phoepox® 3710 or as a standalone coating.

			Typical Value	Test Method / Device
<b>POWDER PROPERTIES</b>	<b>GEL TIME</b>	at 200°C	30-180 seconds	ASTM D 3451
	<b>THERMAL PROPERTY</b>	Tg1	60 ± 5°C	CSA-Z245
		Tg2	105 ± 5°C	
	<b>DENSITY</b>		3 ± 0.1 g/cm <sup>3</sup>	Gas Pycnometer
	<b>PARTICLE SIZE</b>		99.8% < 250 µm	Laser Scattering
	<b>COLOR</b>		Grey	
<b>PHYSICAL TESTS</b>	<b>CATHODIC DISBONDING (under Phoepox 7705)</b>	2.5-3.0 mm at -1.5 VDC, 23°C, 168 hours		ASTM A 775
	<b>IMPACT TEST</b>	No cracking/shattering		ASTM G14 9 Nm (80in/lb)
	<b>FLEXIBILITY</b>	No cracking		ASTM A 775
	<b>SALT SPRAY</b>	2 mm avg. radial Disbondment		
	<b>STORAGE STABILITY</b>	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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2/2



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<b>APPLICATION DATA</b>	<b>SURFACE PREPARATION</b>	Surface must be free from contamination
	<b>SURFACE ROUGHNESS</b>	50-100 µm
	<b>RECOMMENDED FILM THICKNESS</b>	50-100 µm
	<b>APPLICATION TEMPERATURE</b>	215-240°C