

Product Data Sheet

PHOPOX® 3710

1/2

Juni 2020



Phoepox® 3710 is a fusion bonded epoxy powder that is designed as a anti-corrosion coating for steel reinforcement bars. Phoepox® 3710 possesses enhanced corrosion protection properties. Phoepox® 3710 can be applied together with Phoepox® 3701 or as a stand-alone coating.

			Typical Value	Test Method / Device
POWDER PROPERTIES	GEL TIME	at 200°C	30-180 seconds	ASTM D 3451
	THERMAL PROPERTY	Tg1	60 ± 5°C	CSA-Z245
		Tg2	105 ± 5°C	
	DENSITY		1.5 ± 0.1 g/cm ³	Gas Pycnometer
	PARTICLE SIZE		99.8% < 250 µm	Laser Scattering
	COLOR		Green	
PHYSICAL TESTS	CATHODIC DISBONDING *	< 4 mm at -1.5 VDC, 23°C, 168 hours		ASTM A 775
	IMPACT TEST	No cracking /shattering		ASTM G14 9 Nm (80in/lb)
	FLEXIBILITY	No cracking		ASTM A 775
	SALT SPRAY	2 MM AVG. RADIAL DISBONDMENT		
	ABRASION RESISTANCE	25 mg average removal after 1000 cycles		ASTM D4060
	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.



◀ **Engineered Materials** for a Modern World.

Product Data Sheet

PHOEPOX® 3710

2/2



APPLICATION DATA	SURFACE PREPARATION	Surface must be free from contamination
	SURFACE ROUGHNESS	50-100 µm
	RECOMMENDED FILM THICKNESS	175-300 µm
	APPLICATION TEMPERATURE	215-240°C