

SEP-PR5291 Solvent-free Epoxy Primer

Product Description

SEP-PR5291 is a solvent-free modified amine-curable epoxy resin primer.

Typical Use

It offers excellent resistance to fresh water, seawater, salt spray, acids, alkalis, and chemicals. Used for corrosion protection in petroleum refining, mining and metallurgy, ports and docks, power plants, bridges, buildings, and general steel structures, as well as heavy-duty protection in marine immersion and splash zones. Can also be applied to protect drinking water tanks, gray water tanks, and crude oil tanks in ships and marine engineering, as well as internal linings of storage tanks and pipelines. For the construction of drinking water tanks, other liquid cargo tanks, and pipeline storage tanks, please refer to the separate recommended construction procedures.

Physical Parameter

Color available	White, Gray and customized.
Gloss	61~80
Flash Point °C	100
VOC (g/L)	115
Volume Solids	95%
Dry film Thickness(μm)	100~300
Density (g/ml)	1.44
Theoretical Coverage	9.5 m ² /L, 6.60 m ² /kg

Substrate Preparation

- (1) The surface of substrate should be clean and dry, free from oil, dust and other contaminations
- (2) Steel surfaces are blast cleaned or shot blasted to Sa 2½ (ISO 8501-1: 2017), roughness Ry5: 50~100μm
- (3) Local touch-up, manual or power tool grinding to St3

Application Conditions

- (1) The application surface temperature must be above 10°C. The substrate temperature must be at least 3°C above the dew point, with a relative humidity not exceeding 85%.
- (2) For applications in confined or enclosed spaces, increase ventilation during application and drying.

Application

Mixing Ratio (by Weight)		Hardener	Induction Time (23°C)	Pot Life (23°C)	Thinner
Part A	Part B				
5	1	EH901	10Min	1H	/

Methods	Airless Spraying	Brush	Roller
Nozzle	0.48~0.63mm	Small areas only	
Pressure	20MPa		

Drying Time

Temperature of substrate	10℃	23℃	30℃	40℃
Surface Dry Time	15H	6H	2H	1.5H
Full Drying Time	30H	12H	6H	4H
Min. Recoating Time	30H	12H	6H	4H
Max. Recoating Time	30H	12H	6H	4H
Curing Time to Immersion	20D	10D	7D	4D

Recommended System

Previous coat: Epoxy resin coat

Subsequent coat: Epoxy resin coat, Polyurethane coat

Storage

12 months in a dry, ventilated and cool place under sealed container, away from heat and fire.

For professional use only!