

SEZ-PR628S High Solid Epoxy Zinc-rich Primer

Product Description

SEZ-PR628S is 2k epoxy zinc-rich primer with a zinc powder content of over 80% by weight in the dry film, meeting the relevant zinc content requirements of ISO 12944-5.

Typical Use

It is recommended for use as an anti-rust primer on the surfaces of steel structures such as bridges, petrochemical, metallurgy, port machinery, and mechanical equipment under industrial or marine environments as per C4, C5 and CX in ISO 12944-2. It provides a long-lasting anti-corrosion system when paired with epoxy paints and weather-resistant topcoats.

Physical Parameter

Color available	Gray and customized
Gloss	None
Flash Point °C	27
VOC (g/L)	315
Volume Solids	65 ± 2%
Dry film Thickness(μm)	50~80
Density (g/ml)	2.18 ± 0.02
Theoretical Coverage	13.0 m ² /L, 5.65 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 to Sa 2½ (ISO 8501-1: 2017), roughness Ry5: 40~75μm
- (3) Local touch-up, power tool grinding to St3

Application Conditions

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

Application

Mixing Ratio (by Weight)		Hardener	Induction Time (23°C)	Pot Life (23°C)	Thinner
Part A	Part B				
11	1	EH506	15Min	6H	ZSX0710

Methods	Airless Spraying	Air Spraying	Brush	Roller
Dilution	0~5%	5~10%	5~10%	
Nozzle	0.38~0.53mm	2.0~4.0mm	Suitable for small areas	
Pressure	15MPa	0.3~0.5MPa		

Drying Time

Temperature of substrate	5℃	10℃	23℃	40℃
Surface Dry Time	2H	1.5H	1H	45Min
Full Drying Time	10H	6H	4H	2H
Min. Recoating Time	8H	4H	3H	2H

Recommended System

Subsequent coat: Epoxy 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!