



Concrete Primer (TH501H)

Polyurea elastomer is a compound formed by the reaction of isocyanate component (component a) and amino compound component (component R).

Spray polyurea elastomer (SPUA) technology is a new solvent-free and pollution-free green construction technology developed to meet the needs of environmental protection after (pollution-free) coating technologies such as high solid coating, water-based coating, radiation curing coating and powder coating in recent 20 years.

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FEATURES

- ▶ Low viscosity and good fluidity
- ▶ Excellent sealing and penetration performance
- ▶ Good compatibility with the subsequent coating
- ▶ Simple construction, can be brushed, rolled and sprayed
- ▶ Short drying time, high bonding strength with metal substrate, good water resistance
- ▶ Significantly improve the adhesion between the metal substrate and the coating
- ▶ Excellent corrosion resistance, water immersion resistance, moisture resistance and temperature change resistance

ATTENTION

The pre-coated concrete substrate needs to be fully cured, and the surface shall be clean, dry, dense and free of oil and stains. If there are obvious damaged interfaces and cracks, it shall be repaired in advance. Before using the product, ensure that the surface is air polished or the dust on the surface is removed by vacuum.

This product can be used at a low temperature of minus 5°C. If it is used in a low temperature environment, it is recommended to place the paint barrel in an air-conditioned room for more than 24 hours.

Before use, ensure that the raw materials are accurately and evenly mixed, pour out as much as you use, and quickly close the barrel cover. The used paint shall not be poured back into the original barrel. The poured paint must be used up within 1 hour.

The viscosity of the coating has been adjusted as required when the product leaves the factory, and the construction personnel shall not continue to add diluent without permission. If the viscosity changes due to environment or temperature and needs to be adjusted, you can call the supplier and add special diluent after obtaining guidance and approval.

Items		Parameters
		TH-501H
Viscosity (mPa·s)	Component A	40
	Component B	25
Surface Dry Time (h)		1
Actual Dry Time (h)		8
Solid Content (%)		55
Bond Strength (MPa)	Dry Base (MPa)	10
	Retention Rate After Immersion (%)	85
Peel Strength (N/mm)	Dry Base (MPa)	7.5
	Retention Rate After Thermal Aging (%)	80
	Retention Rate After Freeze-Thaw Cycle (%)	80

Product Ratio

Material A : Material B = 3:2

Material A: 18kg/barrel; Material B: 12kg/barrel

Product Construction Environment

Dew point: $\geq 3^{\circ}\text{C}$

Relative humidity: 35-85%

Ambient temperature: $-5\sim 35^{\circ}\text{C}$

Application Guidance

Recommended dry film thickness: 30-50 μm

Recommended brushing methods: brushing, rolling, airless spraying and air spraying,

Coating interval: 3-24 hours

Product storage

Storage temperature: $5-35^{\circ}\text{C}$

Under normal storage and transportation conditions, the storage period shall not be less than 6 months from the date of production

Store in a cool and ventilated environment, avoid direct sunlight, do not approach the fire source and prevent collision