



## Rigid Primer (TH501G)

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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

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- ▶ Excellent cathodic disbonding resistance
- ▶ Good compatibility with the subsequent coating
- ▶ Good corrosion resistance, resistant to salt water and salt spray
- ▶ Simple construction, can be brushed, rolled and sprayed
- ▶ Excellent sealing and penetration performance, good impact resistance
- ▶ Significantly improve the adhesion between the metal substrate and the coating
- ▶ Short drying time, high bonding strength with metal substrate, good water resistance

## ATTENTION

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It is generally recommended that the metal surface be derusted by sand blasting to grade Sa2.5 of ISO 8501-1 and GB 8923 standards. If there is no sand blasting condition, manual derusting can also be used. First, remove the floating rust, and then grind the base surface to grade St2 of ISO 8501-1 or GB 8923 with steel wheel or coarse sandpaper.

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-701
Nonvolatile Content (%)		56
Drying Time (h)	Surface Dry Time	1
	Actual Dry Time	8
Coating Appearance		Normal
Bending Test (mm)		Qualified
Impact Resistance (cm)		Qualified
Cross-cut Test (spacing 1mm)/level		Qualified
Salt Water Resistance (immersed in 3% NaCl solution for 168h)		No abnormality
Salt Spray Resistance (120h)		Qualified

## Product Ratio

Material A : Material B = 1:1

Material A: 18kg/barrel; Material B: 18kg/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  $\mu\text{m}$

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

Coating interval: 3-24 hours

## Product storage

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

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