



Hand Brush Polyurea (TH701)

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

- ▶ Good environmental protection, safe construction and environment-friendly
- ▶ Not sensitive to humidity, high and low temperature environment, good thermal stability
- ▶ Good adhesion to various substrates, good water resistance
- ▶ The coating is dense and continuous without seams, resistant to abrasion, impact and salt spray
- ▶ It has good compatibility with sprayed polyurea coating and strong adhesion, which can avoid delamination
- ▶ Excellent corrosion resistance and resistance to water, acid, alkali, salt, oil and other chemical media
- ▶ Simple construction, no professional spraying equipment is needed, brushing, rolling, air spraying and high pressure airless spraying can be used

ATTENTION

It is recommended to stir materials A and B evenly before each use, take out and mix them according to the mass ratio of material A: material B = 2:1, 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. 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; 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 ambient temperature and needs to be adjusted, you can call the supplier and add special diluent after obtaining guidance and approval.

SPECIFICATIONS

Items		Parameters
		TH-701
Solid Content (%)		81
Surface Dry Time (s)		2
Actual Dry Time (h)		12
Hardness (Shore A)		90
Tensile Strength (MPa)		10
Elongation at Break (%)		155
Tear Strength (N/mm)		65
Adhesion (MPa)	Steel	8
	Concrete	3
Wear Resistance (750g/500r)/mg		10
Low Temperature Flexibility (- 30 °C 180 ° bending at 10mm axis)		No cracking
Impermeability (0.3MPa / 30min)		Impervious
Electric Strength (MV/m)		18
Salt Spray Resistance (2000h)		No embroidering, no blistering, no shedding
Liquid Medium Resistance (10%H ₂ SO ₄ , 10%HCl, 10%NaOH, 10%NaCl, 30d)		No embroidering, no blistering, no shedding
Water Resistance (30d)		No embroidering, no blistering, no shedding
Oil Resistance (0# diesel, crude oil, 30d)		No embroidering, no blistering, no shedding

Product Ratio

Material A : Material B = 2:1

Material A: 18kg/barrel; Material B: 9kg/barrel

Application Guidance

Recommended dry film thickness: 100-200 μm (according to actual demand)

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

Coating interval: 4-24 hours. If the coating time exceeds 24 hours or there is dust on the surface, it is recommended to polish and clean with sandpaper before construction

Product storage

Storage temperature: 5-40 °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