



Common Bulding Waterproof (TH801)

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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APPLICATION

- ▶ Parking garages
- ▶ Subways in open cut method
- ▶ Channels
- ▶ Kitchen or bathroom
- ▶ Floors, balcony and unexposed roofs
- ▶ Swimming pools, man-made fountain and other pools



FEATURES



- ▶ Excellent thermal stability
- ▶ Good resistance to acid, alkali, salt and atmospheric aging
- ▶ Safe construction and environment-friendly
- ▶ Rapid curing and film forming without sagging
- ▶ Good adhesion to all kinds of substrates
- ▶ Excellent physical properties

ATTENTION

- ▶ During construction, the substrate temperature is 3 °C higher than the dew point temperature
- ▶ Before using the product, component B shall be fully stirred
- ▶ The system is 100% solid content, and diluent is strictly prohibited
- ▶ Good ventilation must be maintained during construction in confined space
- ▶ When using this product, you must wear work clothes, gloves, goggles and gas mask

Items		Parameters
		TH-801
Solid Content (%)		99
Gel Time (s)		15
Surface Dry Time (s)		35
Tensile Strength (MPa)		15
Elongation at Break (%)		380
Tear Strength (N/mm)		66
Low Temperature Bending Property (°C)		-40
Impermeability (0.4MPa,2h)		Impervious
Heating Expansion Rate	Elongation (%)	0.5
	Shrink (%)	0.5
Bond Strength (MPa)		2.5
Water Absorption (%)		2.5
Aging at Constant Elongation	Heating Aging	No crack and deformation
	Artificial Climate Aging	No crackand deformation
Heat Treatment	Tensile Strength Retention (%)	96
	Elongation at Break (%)	350
	Low Temperature Bending Property (°C)	-32
Alkali Treatment	Tensile Strength Retention (%)	100
	Elongation at Break (%)	330
	Low Temperature Bending Property (°C)	-33
Acid Treatment	Tensile Strength Retention (%)	95
	Elongation at Break (%)	343
	Low Temperature Bending Property (°C)	-33
Salt Treatment	Tensile Strength Retention (%)	95
	Elongation at Break(%)	358
	Low Temperature Bending Property (°C)	-32
Artificial Climate Aging	Tensile Strength Retention (%)	93
	Elongation at Break(%)	330
	Low Temperature Bending Property (°C)	≤-32

Hardness (ShoreA)	90±5
Wear Resistance (750g/500r)/mg	20
Impact Resistance (kg/m)	1.0

Product Ratio

Material A : material B = 1:1

Material A: 220kg/barrel; material B: 210kg/barrel

Product storage

Storage temperature: 5-40 °C

The storage period shall not be less than six months

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