



## Pool Waterproof (TH8023)

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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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# APPLICATION

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- ▶ Landscape pool
- ▶ Reservoir
- ▶ Swimming pool
- ▶ Hot spring pond

# FEATURES

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- ▶ High elasticity, able to withstand certain deformation of the structure
- ▶ Good adhesion to various substrates
- ▶ Excellent resistance to acid, alkali, salt and atmospheric aging
- ▶ Not sensitive to humidity, high and low temperature environment, good thermal stability
- ▶ Good environmental protection, solvent-free, safe construction and environment-friendly
- ▶ Excellent physical properties, high strength, high elongation, high tear strength
- ▶ Mechanized construction, dense and continuous coating without seams, good waterproof and moisture-proof performance
- ▶ Fast curing to form a film, which can be sprayed and formed on any special-shaped surface without sagging
- ▶ Excellent impact resistance, good wear resistance, tramp resistance, anti-skid, and can drive heavy vehicles

# ATTENTIONS

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- ▶ During construction, the substrate temperature must be 3°C higher than the dew point temperature
- ▶ Before using the product, component B should 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, gas masks and other protective equipment

Items		Parameters
		TH-8023
Solid Content (%)		99
Gel Time (s)		15
Surface Dry Time (s)		55
Tensile Strength (MPa)		18
Elongation at Break (%)		480
Tear Strength (N/mm)		65
Low Temperature Bending Property (°C)		≤-40
Impermeability (0.4MPa,2h)		Impervious
Bond Strength (MPa)		3.5
Water Absorption (%)		2.0
Aging at Constant Elongation	Heating Aging	No crack and deformation
	Artificial Climate Aging	No crack and deformation
Heat Treatment	Elongation at Break (%)	475
Alkali Treatment	Elongation at Break (%)	465
Acid Treatment	Elongation at Break (%)	465
Salt Treatment	Elongation at Break (%)	480
Artificial Climate Aging	Tensile Strength Retention (%)	98
	Elongation at Break (%)	465
	Low Temperature Bending Property (°C)	-39
Hardness (ShoreA)		90±5
Wear Resistance (750g/500r)/mg		25
Impact Resistance (kg/m)		1.3

## Product Ratio

Material A : Material B = 1:1

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

## 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