

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N: Polyaspartic Polyurea High-Gloss Grout Sealant

Customer: N/A
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Customer Desc: N/A

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Approved By: Sha LIU

Version History

Rev.	Status	Revision Description	Author/Approved	Date
A	Approved	Initial Release	Sha Liu	2025-01-18

Product Name: Polyaspartic Polyurea High-Gloss Grout Sealant

Model No: PS700C

Product Description

This product is a high-performance, two-component, weather-resistant grout formulated with aspartic acid ester resin (Part A) and an aliphatic isocyanate curing agent (Part B), combined with silica, pigments, and other additives.

Key Features & Benefits

- Superior UV Resistance: Engineered for non-yellowing and non-powdering performance. It delivers long-lasting gloss and color retention even under direct sunlight, making it ideal for outdoor applications.
- Fast Curing & Rapid Return to Service: Features a fast reaction mechanism that supports same-day excess removal and rapid foot traffic, even at low temperatures.
- High Flexibility & Hardness Balance: Provides excellent stain resistance, water resistance, and durable protection against thermal expansion and contraction.

Technical Data

Test Item		Polyurea High-Gloss
Net weight per tube / g		420
Mixed solid content / %		97.56%
Sag (vertical) / mm		0
Working time / min		30-35
Drying time	Surface dry time / min	50
	Actual dry time / hr	5
Shore hardness (Type D) 7d		63
Flexibility (film thickness 1mm) / mm		/
Gloss / 60°		85
Water resistance (168h)		No blistering, no peeling, no significant discoloration
Acid & Alkali Resistance	Alkali resistance (5% NaOH, 24h)	No blistering, no peeling, no significant discoloration
	Acid resistance (5% H ₂ SO ₄ , 24h)	No blistering, no peeling, no significant discoloration
Stain resistance / grade	Red wine	0
	Black tea	0
	Soy sauce	0
	Vinegar	0
Yellowing resistance / grade		0
Tensile strength / (MPa)		21.27
Elongation at break / %		129
Bond strength / (MPa)	Standard condition	4.78

Package: 420 g (net) / 400 mL (volume) per tube

Storage: Store in a cool, dry place, protected from moisture and water. Keep away from heat sources and open flames. Use the entire contents as soon as possible after opening. If re-storing, reseal tightly and keep dry.

Shelf life: One year.