

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

Name: Polyaspartic Ester Polyurea PS506

Customer: N/A
Customer P/N: N/A
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	2017-06-18

Product name: Polyaspartic Ester Polyurea

Model No: PS506

Product introduction: PS506 is polyaspartic high solid elastic waterproof coating and is consist of Polyaspartic esters and variety of pigment, filler,additive . All main ingredients are manufactured by own.

Characteristic:

1. Excellent weather resistance, can be used outdoors for a long time
2. Excellent adhesion to concrete, tile, glass, wood, metal and other substrates.
3. Moderate hardness and elasticity for effective waterproofing of existing and subsequent microcracks.
4. Excellent sealing ability, effective isolation of water vapor leakage
5. Convenient construction, can be brushed, rolled, sprayed and other ways of construction
6. Excellent abrasion resistance and anti-slip properties

Application: Can be painted directly on the surface of tiles, suitable for kitchen and bathroom, balcony, external wall and other parts of the waterproofing use

Product Specification:

Color: Colours

Solid content by weight: ≥95%

Density: 1.1±0.05g/cm³

Gloss: Glossy

Film thickness(μm): Dry: 200—300 Wet: 250—375

Theoretical coverage: 0.15kg/100μm/m²

Actual value: Related to surface treatment, external environment, application method and other factors.

Elongation: ≥295% test method: GB/T 16777-2008

Tensile strength: ≥18MPa test method: GB/T 16777-2008

Tear strength N/mm: ≥60 test method: GB/T 529-2008

Adhesion (concrete) : ≥4 MPa test method: GB/T 5210-2006

Abrasion resistance (750g/500r): ≤30 test method: GB/T 1768-2006

Application paramether:

ratio:

Airless spray: A: B: thinner=1: 1: (by weight)

Brush, roller apply: A: B=1: 1 (by weight)

Working time:

Temperature(°C)	5	10	20	30
Working time(hrs)	2	2	1.5	1

Condition:

Environment temperature: 5°C---30°C, Environment moisture: ≤85%

Substrate temperature: 3°C higher than air dew pint

Cleaning agent/Thinner: Standard Polyaspartic thinner

Noted: Prior to apply by airless spary, brush or roller, please consult our engineer.

Drying time and application interval:

temperature	5	10	20	30
Touch dry(hrs)	4	3.5	3	2
Hard dry (hrs)	14	12	10	8

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Above data just for your reference, the actual drying time depends on film thickness, ventilation, humidity, primer, mechanical strength etc.

Surface treatment:

- Get rid of salt and other water-soluble contaminant with clean water
- remove grease with appropriate detergent
- ensure the surface being clean and dry before application
- pay attention to the recoating window

Storage:

Shelf life: Component A: 1 year Component B: 1 year

Storage temperature: 0℃—30℃

Package:

Component A: 15KG or 5KG Component B: 15KG or 5KG

Safety measures:

- Avoid all skin and eye contact
- In case of skin contact, flush with enough water. In case of eye contact, flush with plenty of water and get medical aid immediately
- Keep great ventilation
- Coating may contains flammable matter. Keep away from spark and smoking around is forbidden.
- Comply with all health&security regulation in site.

Statement:

The information contained in this data sheet is based solely on our understanding in the laboratory and in practice. But because the use of the product are usually outside our control, so we only give the product itself quality assurance. We reserve the right to modify this manual without prior notice.