

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N: Polyaspartic High solids Elastic Waterproof coating No.1
Name: Polyaspartic High solids Elastic Waterproof coating HA8500

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	2016-01-18

Product Name: Polyaspartic High solids Elastic Waterproof coating

Model No:HA8500

Product introduction: HA8500 is consist of Polyaspartic esters and variety of pigment, filler,additive ,solvent and MDI. All main ingredients are manufactured by own.

Characteristic:

- Thick film construction, filming more than 500μm at a time
- Great adhesion with epoxy primer and polyurea topcoat
- Excellent elongation and Tensile strength
- Simple construction and quick drying

Application: For the waterproofing and anti-corrosion to concrete substrate(basement, bridge, roof, warehouse, water park),foam, plastic and other substrates; for waterproofing and anti-corrosion of buried steel structure outer layer.

Physical Parameters:

Color: white

Weight Solid: ≥95%

Flash point: 30±2℃

Viscosity: 1000±200CPS(25℃)

Proportion: 1.1±0.05g/cm³

Luster: Half-light or bright

Coating thickness: Dry Film: 500—600 Wet film: 560—680μm

Theoretical coating rate: Theoretical value: 1.8 m²/Kg/500μm

Actual value: varies according to various factors such as surface treatment, external environment, construction method, etc.

Main Technical indicators of Coating Film:

Elongation: ≥300% test method: GB/T 16777-2008

Tensile Strengt: ≥10MPa 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

Abrasive resistance (1000g/500r): ≤40 test method: GB/T 1768-2006

Construction parameters:

Ratio:

Brush: Main paint: curing agent: thinner=1: 0.8: 0-0.1

Coating available time:

Temperature(℃)	5	10	20	25
Mixing(hrs)	80~90	60~80	40~60	30~40

Construction conditions: -15℃ -30℃, humidity: ≤85%

Substrate temperature: must be greater than the air dew point temperature above 3℃

Construction method:

Airless spraying, brushing (Recommended Use)	
Airless spray (two-component)	
Nozzle Size	0.021—0.023
Outlet pressure	100—120kg.cm ³
Dilution ratio	5%

Cleaning agent / thinner: Polyurea standard thinner

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Note: If you use airless spray or roller coating, please consult our engineers before use.

Drying time and coating interval:

Temperature(℃)	—5	5	10	20	30
Touch dry(hrs)	6	3	2.5	2	1.5
Hard dry (hrs)	24	12	10	8	6
Painting interval(hrs)	48	24	20	16	12

The above data are for guidance only. Actual drying time / time interval before coating can be long or short, depending on film thickness, ventilation, humidity, lower paint, preloading requirements and mechanical strength.

Painting matching:

Applicable under coat: epoxy primer, polyurea coating, or refer to our recommended package

Applicable top coating: polyaspartic polyurea topcoat

Surface treatment:

- 1,Rinse with salt water and other water-soluble dirt
- 2,Remove grease with a suitable detergent and degreaser
- 3,Make sure the surface is clean and dry before construction
- 4,Note the distance between the coating and the primer

store:

Storage time: Paint:1 year Curing agent: 9 months

Storage temperature: 0 ℃ -30 ℃

Packing:

Paint: 20KG Curing agent: 20KG

Security measures:

- 1,Avoid contact with skin and eyes
- 2,If the paint comes into contact with the skin, clean it with a suitable cleaning solution. If the paint touches the eyes, apply a lot of water,Flush and seek medical attention immediately
- 3, Ensure good ventilation
- 4,The paint contains combustible substances. Keep away from sparks and prohibit smoking in adjacent work areas
- 5,The site complies with all health and safety regulations

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.