

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 HA8530

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	2017-06-18

Product name: Polyaspartic high solids elastic waterproof coating

Model No: HA8530

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

Characteristic: ■ Non-solvent products; green

- Thick film construction, filming more than 500μm at a time
- Great adhesion with concrete substrate
- 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 anticorrosion of buried steel structure outer layer.

Product Specification:

Color: Customized according to customers

Solid content by weight: $\geq 98 \pm 2\%$

Flash point: $98 \pm 2^\circ\text{C}$

Viscosity: $6000 \pm 200\text{CPS}$ (25°C ,A,B components combined)

Density: $1.15 \pm 0.05\text{g/cm}^3$

Gloss: Bright light

Film thickness(μ m): Dry: 500—600 Wet: 560—680

Theoretical coverage: 1.23 Sqm/Kg/100μm

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

Elongation: $\geq 350\%$ test method: GB/T 16777-2008

Tensile strength: 11-13MPa test method: GB/T 16777-2008

Tear strength N/mm: ≥ 30 test method: GB/T 529-2008

Adhesion (concrete) : $\geq 2\text{ MPa}$ test method: GB/T 5210-2006

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

Low temperature bending (-35°C) : No crack test method: GB/T 16777-2008

Application paramether:

ratio:

Brush: B: A: thinner=1: 0.8: 0-0.1 (by weight)

Working time:

Temperature($^\circ\text{C}$)	5	10	20	25
Working time(min)	80~90	60~80	40~60	30~40

Condition:

Environment temperature: 5°C --- 30°C , Environment moisture: $\leq 85\%$ (RH)

Substrate temperature: 3°C higher than air dew pint

Construction method: roller (Recommend)

Thinner: Standard Polyaspartic thinner

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

Drying time and application interval:

Temperature(℃)	—5	5	10	20	30
Touch dry(hrs)	6	5.5	5	2	3
Hard dry(hrs)	24	16	12	8	8
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.

Matched paint:

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

Applicable top coat: polyaspartic polyurea topcoat

Surface treatment:

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

Storage:

Shelf life: Component B: 1 year Component A: 9 months

Storage temperature: 0℃ —30℃

package:

Component B: 20KG Component A: 16KG

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.