

## LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

### TDS (Technical Data Sheet)

**P/N:** Polyaspartic polyurea high solids elastic coating No.1  
**Name:** Polyaspartic polyurea high solids elastic coating HA8510

**Customer:** N/A  
**Customer P/N:** N/A  
**Customer Desc:** N/A

**Drafted By:** Kit ZENG  
**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 polyurea high solids elastic coating-Water Park Special Coating

**Model No:** HA8510 (A/B) /HA8510L (A/B)

**Product introduction:** It is consist of Polyaspartic esters and variety of pigment, filler,additive ,solvent and MDI. All main ingredients are manufactured by own.HA8510 (A / B) is a flat coating product, HA8510L (A / B) Dedicated to facade products.

**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: Optional

Solid content by weight: ≥95%

Flash point: 100±2℃

Viscosity: 1000-2500CPS(25℃,A,B components combined)

Density: 1.15±0.05g/cm<sup>3</sup>

Gloss: Semi-gloss or glossy

Film thickness(μm): Dry: 500—600

Theoretical coverage: 1.7 -1.8 Sqm/Kg/500μm

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

Elongation: ≥300%

test method: GB/T 16777-2008

Tensile strength: ≥15MPa

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 (1000g/500r): ≤40

test method: GB/T 1768-2006

#### Application paramether:

ratio:

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

Working time:

Temperature(℃)	5	10	20	25
Working time(min)	80~90	60~80	40~60	30~40

Condition:

Environment temperature: -15℃---30℃, Environment moisture: ≤85%

Substrate temperature: 3℃ higher than air dew pint

Application method:

Airless spray, brush (Recommendation)
Airless spray (two components)

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Nozzle size	0.021—0.023
Pressure	100—120kg.cm <sup>3</sup>
Dilution ratio	5%( weight)

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	3	2.5	2	1.5
Hard dry (hrs)	24	12	10	8	6
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 coating: 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 A: 20KG Component B: 20KG

#### 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.

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