

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N: Polyaspartic Weather-resistant Elastic Waterproof Topcoat No.1
Name: Polyaspartic Weather-resistant Elastic Waterproof Topcoat PS9570

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 Weather-resistant Elastic Waterproof Topcoat

Model No:PS9570

Product introduction: PS9570 is consist of Polyaspartic esters and variety of pigment, filler,additive and solvent. All main ingredients are manufactured by own.

Characteristic: ■ Excellent weathering resistance,non-yellowing in 20 years
 ■ Great adhesion with matched polyurea primer
 ■ Excellent elongation at break
 ■ Excellent waterproofing and decorative function

Application: For the waterproofing and anti-corrosion to concrete substrate such as basement, bridge, roof, warehouse etc.

Product Specification:

Color: Optional

Solid content by weight: ≥70%

Flash point: 30±2℃

Viscosity: 1000±200CPS(25℃,A,B components combined)

Density: 1.07±0.05g/cm³

Gloss: Semi-gloss or glossy

Film thickness(μm): Dry: 400—600 Wet: 570—850

Theoretical coverage: 7 Sqm/Kg/100μm

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

Elongation: ≥200% test method: GB/T 16777-2008

Tensile strength: ≥8MPa test method: GB/T 16777-2008

Tear strength N/mm: ≥20 test method: GB/T 529-2008

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

Abrasion resistance (750g/500r) : ≤40 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(℃)	5	10	20	25
Working time(hrs)	2	2	1.5	1

Condition:

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

Substrate temperature: 3℃ higher than air dew pint

Application method:

Airless spray, air spray, brush and roller applying	
Airless spray (two components)	Recommendation

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Nozzle size	0.19—0.23
Pressure	100—120kg.cm ³

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(°C)	—5	5	10	20	30
Touch dry(hrs)	4	3	2	1.5	1
Hard dry (hrs)	24	12	10	8	6
interval(hrs)	24	12	10	8	6

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

Matched paint:

Suitable paint: matched Polyaspartic primer, polyaspartic middle coating, or ask for our reference.

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: 20KG or 5KG Component B: 20KG 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.