

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N: Polyurea weather resistance elastic waterproof coating No.1

Name: Polyurea weather resistance elastic waterproof coating PS9500

Customer: N/A
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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	2017-01-18

Product Name: Polyurea weather resistance elastic waterproof coating

Model: PS9500

Product introduction: PS9500 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

Designed for use: Waterproofing and corrosion protection for concrete substrates (basements, bridges, roofs, warehouses, etc.)

Physical Parameters:

Color: colorless or according to customers' requirement.

Weight Solid : ≥60%

Flash point: 30±2℃

Viscosity: 800±200CPS(25℃)

Proportion: 1.07g/cm³

Luster: Half-light or bright

Coating thickness(μm): Dry Film: 200-300 Wet film: 270—550

Theoretical coating rate: Theoretical value: 5.6 m²/Kg/100μm

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 Strength: ≥4MPa test method: GB/T 16777-2008

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

Abrasive resistance(750g/500r): ≤40 test method: GB/T 1768-2006

Construction parameters:

Ratio:

Airless spray: Main paint: curing agent: thinner=1: 1

Brush and Roll coating: Main paint: curing agent: =1: 1

Coating available time:

Temperature(℃)	5	10	20	25
Mixing(hrs)	4	3	2.5	2

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

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

Construction method:

Airless spraying, air spraying, brushing and scratch	
Airless spray (two-component)	(Recommended Use)
Nozzle Size	0.19—0.23
Outlet pressure	100—120kg.cm ³

Cleaning agent / thinner: Polyurea standard thinner

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

Drying time and coating interval:

Temperature	-5	5	10	20	30
Touch dry	6h	4h	3h	1.5h	30min
Hard dry	24	12	8	6	4
Painting interval	24	12	8	6	4

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 : polyurea supporting primer, polyurea middle coating, or refer to our recommended package

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: 1 year

Storage temperature: 0 ℃ -30 ℃

Packing:Paint: 20KG curing agent: 10KG

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
- 3,Flush and seek medical attention immediately
- 4, Ensure good ventilation
- 5,The paint contains combustible substances. Keep away from sparks and prohibit smoking in adjacent work areas
- 6,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