

PERFLEX NOVEL MATERIALS(CHANGSHA)CO.,LTD
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www.perflexgroup.com

POLYASPARTIC COATING PIONEER

UVR Polyaspartic Waterproof Self-leveling Topcoat-ASP2581

Product Introduction

The main agent aspartate resin is composed of various pigments and fillers, additives, solvents, etc. The curing agent is polyester modified weather-resistant isocyanate.

Product Features

- Excellent weather resistance, no discoloration for 20 years
- Good adhesion with polyurea primer
- Excellent elongation at break
- Excellent waterproof and decorative function

Application

It is used for waterproofing and anti-corrosion of concrete substrates (basements, bridges, roofs, warehouses, etc.)

Physical Parameters

Main Agent	Curing Agent
Appearance: All colors liquid	Appearance: All colors liquid
Flash point (℃): 62	Flash point (℃): 55
Specific gravity (mixed) (g/cm^3): 1.1±0.05	
Viscosity (initial mixing at 25°C): 1500-3000CPS	
Gloss: glossy	
Coating film thickness: Dry film: 400-600 Wet film: 570-850μm	
Theoretical coating rate:	
Theoretical value: 7 square meters/Kg/100μm	
Actual value: related to surface treatment, external environment, construction method and other factors	



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Physical Properties After Curing	
Elongation	≧350%
Tensile strength	≧15MPa
Tear strength N/mm	≧60
Adhesion (concrete):	≧4 MPa
Wear resistance (750g/500r, mg)	≦10

Construction Parameters

Blend ratio Brushing: A:B = 1: 1 mass ratio（please stir well before use）

Application time

Temperature（℃）	5	10	20	30
Pot life (mins)	120	120	90	60

Construction conditions

Ambient temperature: 5℃-30℃， **Ambient humidity**: ≤85%

Substrate temperature: must be greater than the air dew point temperature 3 ℃ or more.

Construction method: Brush, Roller or Spray

Cleaning agent: Polyaspartic polyurea standard thinner

Drying time and painting interval

Temperature (℃）	5	10	20	30
Dry to touch (hrs)	4	3.5	3	2
Dry to handle (hrs)	14	12	10	8

The above data are for guidance only, the actual drying time / time interval before overcoating may be longer or shorter, depending on the film thickness, ventilation, humidity, underlying paint, early loading and unloading needs and mechanical strength, etc.



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Coating Package

Applicable bottom coating: polyaspartic polyurea matching primer, polyaspartic intermediate coating, or refer to our company's recommended package.

Surface Treatment

- Rinse off salt and other water-soluble dirt with water
- Remove grease and oil with appropriate cleaners and degreasers
- Concrete substrate must be ground and cleaned thoroughly
- Pay attention to the coating interval with the primer during construction

Storage Condition

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

Storage temperature: 0℃-30℃

Packaging Specification

Paint: 20KG or 5KG Curing agent: 10KG or 5KG

Security Measures

- Avoid contact with skin and eyes.
- If the paint comes in contact with the skin, it should be cleaned with an appropriate cleaning agent. If paint comes into contact with eyes, use plenty of water to flush and seek immediate medical attention.
- Ensure good ventilation.
- The paint contains combustible substances. Please keep away from sparks and do not smoke in the adjacent work area.
- Comply with all health and safety regulations on site.

Statement

The information provided in this product specification is based solely on our knowledge gained in the laboratory and in practice. However, since use of the product is usually beyond our control, so we only give a guarantee of the quality of the product itself. We reserve the right to amend the specification by prior notice.