

Technical Data Sheet of PERFLEX ASP2583-001

Product Introduction

The main agent is polyaspartic resin and various pigments and fillers, auxiliary agents, solvents, etc. The curing agent is polyether modified isocyanate. The weather resistance of this product is excellent.

Product Features

- Solvent-free product, environmentally friendly
- Thick film construction is possible, and one film formation is larger than 500μm
- Excellent adhesion to concrete substrates
- Excellent elongation at break and tensile strength
- Simple construction and quick drying

Application

Mainly designed as used for waterproof and anti-corrosion of concrete substrates (basements, bridges, roofs, warehouses, etc., water parks) foam, plastic and other substrates.

Physical Parameters

Main Agent	Curing Agent
Appearance: All colors liquid	Appearance: All colors liquid
Flash point (℃): 70	Flash point (℃): 51
Weight solid content (A/B mix): ≥95%	
Viscosity: 1500-3000CPS (25℃, two-component mixing)	
Specific gravity (A/B mix): 1.1±0.05g/cm^3	
Gloss: high gloss	
Coating film thickness: Dry film: 500-600 Wet film: 560-680μm	

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POLYASPARTIC COATING PIONEER



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Theoretical coating rate:
Theoretical value: 1.8 square meters/Kg/500μm
Actual value: related to surface treatment, external environment, construction method and other factors

Physical Properties After Curing	
Elongation	≧300%
Tensile strength	≧15MPa
Tear strength N/mm	≧60
Adhesion (concrete):	≧4 MPa
Wear resistance (1000g/500r):	≦40

Construction Parameters

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

Application time

Temperature（℃）	5	10	20	25
Mix-use period(min)	80-90	60-80	40-60	30-40

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: polyurea standard thinner

Drying time and painting interval

Temperature(℃）	5	10	20	30
Dry to the touch (hrs)	3	2.5	2	1.5



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Shiatsu drying (hrs)	12	10	8	6
Re-coating Time(hrs)	12	10	8	6

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.

Coating Package

Applicable bottom coating: epoxy penetrating primer, polyapartic coating, or refer to our company's recommended package.

Applicable topcoat: polyaspartic topcoat

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; 5KG Curing agent: 10KG; 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.

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