

PERFLEX NOVEL MATERIALS(CHANGSHA)CO.,LTD
TEL: 86 1839099 2093 MAIL: sales@perflex.com.cn
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www.perflexgroup.com

POLYASPARTIC COATING PIONEER

Swimming Pool Polyaspartic Waterproofing Membrane-ASP400

Product Introduction

Two-component varnish cured by aspartate resin and aliphatic isocyanate.

Product Features

- High solids, non-toxic and eco-friendly
- Good compressive strength and impact resistance
- No yellowing, good wear resistance

Application

It is mainly designed and applied to the occasions with high requirements for wear resistance, impact cracking resistance and yellowing resistance, surface coating.

Physical Parameters

Main Agent	Curing Agent
Appearance: Colorless transparent liquid	Appearance: All colors liquid
Viscosity 25°C: 250MPaS	Viscosity 25°C: 250MPaS
Specific gravity 25°C: 1.01	Specific gravity 25°C: 1.05
Solids: 95%	Solids: 75%

Physical Properties After Curing	
Paint appearance	Normal
7 days hardness	Shore D 60
Abrasion (CS17 wheel 750g, 500 rpm)	15mg



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Elongation at break (%)	80
Tensile strength (MPa)	13
Concrete adhesion (Mpa)	2.2
Acid resistance, 5% sulfuric acid	No change
Alkali resistance, 10% sodium hydroxide	No change
Impact resistance (500g, 1m)	Pass

Construction Parameters

Blend ratio Roll coating: A: B = 1:1 mass ratio

Application time

Temperature（℃）	15	25	30
Pot life (mins)	20	20	15

Construction conditions

Ambient temperature: 0℃-35 ℃, **Ambient humidity:** ≤85%

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

Cleaning agent: polyaspartic polyurea standard thinner

Drying time and painting interval

Temperature(℃）	25
Open for pedestrian traffic (hrs)	3
Open for vehicle traffic (Days)	1
Dry to touch (hrs)	3

The above data is for guidance only. The actual drying time/interval time before coating can be longer or shorter depending on the film thickness of the coating, ventilation condition, temperature and humidity, etc.



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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: 9 months

Storage temperature: 5℃-35℃

Packaging Specification

Paint: 20KG Curing agent: 10KG

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.