

HIGH PERFORMANCE POLYASPARTIC 100% SOLID

DESCRIPTION

A two-component aspartic resin (Part A) and aliphatic isocyanate (Part B).

CHARACTERISTICS

- Solvent-free, non-toxic and environmental protection.
- Good compressive strength and impact resistance.
- No yellowing, good abrasion resistance.

APPLICATIONS

Used for commercial imitation PVC flooring, colored sand flooring and other occasions with high decorative requirements.

PHYSICAL DATA

Index	Part A	Part B
Appearance	Colorless Transparent Liquid	Colorless Transparent Liquid
Viscosity (mPa.s 25 °C)	Ca.400	Ca.50
Density (25 °C)	1.08±0.02	1.12±0.02
Solid content (%)	98±2	Ca.100

PHYSICAL PROPERTIES OF CURED MATERIALS

Paint film	Normal
7-day hardness	HB
Shore D hardness	50D
Abrasion (CS-17 wheel,750g/500r) mg	20
Elongation at break (%)	35
Tensile strength (MPa)	20
Concrete adhesion (Mpa)	2.2
Impact resistance (1000 g, 1m)	Pass

PAINTING ARGUMENTS

Mix ratio: Part A / Part B = 1 / 1 (by weight, please stir well before use) Pot life

Temperature °C	10	20	30
Pot life after mixed (min)	20	15	10

PAINTING ARGUMENTS

Painting conditions:

- Ambient temperature: 0°C-35°C
- Ambient humidity: ≤85% (RH)
- Substrate temperature: Must be more than 3 °C higher than the air dew point temperature.

Painting method: Roller coating

Thinner: Aspartate polyurea standard thinner

Drying time and coating interval:

Temperature °C	25
Opening time on foot (hrs)	3
Opening time of overload (d)	3
Recoating time (hrs)	1

* Above data are only for guidance. The actual drying time/painting interval can be longer or shorter, depending on the film thickness, ventilation, humidity, base coating, advance loading and mechanical strength requirements, etc.

Surface treatment:

- Use clean water to wash away salt and other water-soluble dirt.
- Degrease with a suitable cleaner and degrease.
- Confirm that the surface is clean and dry before painting.
- Pay attention to the coating interval with primer during painting.

STORAGE

Shelf life: Part A : 1 year
Part B : 9 months

Storage temperature: 5°C-35°C

PACKAGE

Part A : 20KG
Part B : 10KG

PRECAUTIONS

- Avoid skin and eyes contact.
- Clean with appropriate cleaning agent for skin contact.
- On eye contact, wash with plenty of water and seek medical advice immediately.
- Well ventilation should be ensured.
- The paint contains flammable substances, please keep away from sparks and smoking nearby is prohibited.
- Observe all health and safety regulations on site.

STATEMENT

The information provided in this product manual is completely based on our knowledge gained in the laboratory and practice. However, since the use of products is usually beyond our control, we only guarantee the quality of products. We reserve the right to modify this manual without advance notice.