

Aliphatic Polyurethane Coating



Product Description :

This two-component product is mainly prepared by aliphatic acrylic polyurethane resin, and anti-rust pigments. This product features:

- Good gloss and color retention
- Strong adhesion
- Fast drying
- Long durability
- Great resistance to salt & chemical corrosion, rust, impact

Typical Uses :

This product is typical used as finish paint for steel substrate as:

- Steel structure
- Ships
- Bridges
- Vehicle, machinery equipment
- Power plant
- Pulp mill and paper mills
- Traffic sign
- Chemical and petrochemical factory

Basic Technical Datasheet :

Color	Custom color
Density, kg/L	~1.2
Flash point, °C	27
Solid content	≥ 60 %
Impact resistance, cm	50
Adhesion, MPa	≥ 6
Viscosity, s	≥ 90
Fineness, μm	≤ 30
Gross %	≥ 85
Flexibility, mm	≤ 2
Pot life, h	8
Theoretical spreading rate, kg/m ² @ 60 μm dry film	0.2

* HG/T standard

Substrate Treatment:

All surface shall be clean, dry and free from any contaminations to achieve long lasting function.

- Primed surfaces

The primer surface should be dry and free from all contaminations.

Areas of breakdown, damage etc., should be prepared to the specified standard, e.g. Sa2.5.

Instructions for Use:

- Mixing

Mix part A and part B as 20:4 by weight. Slowly add part B into part A and ensure mixed completely.

- Thinner:

BS52-10 exclusive thinner ≤ 10 % w./w.

- Cleaner:

BS52-10 exclusive thinner

- Application methods:

Airless spray (recommended) : Nozzle tip: 0.017-0.023 inch, minimum 150 bar/2100 psi.

Brush: recommended only.

Roller: recommended only.

- Drying time:

	5 °C	23 °C	40 °C
To touch/h	≤ 16	≤ 6	-
To handle/h	≤ 24	≤ 12	-
To cure/h	≤ 24	≤ 24	-

Data tested under controlled temperature and relative humidity below 85%

Cautions:

Apply in good weather. The substrate temperature shall be in the range of 0-40 °C, and at least 3 °C over dew point to avoid condensation. Also, ensure apply at humidity below 85%.

Compatibility:

Please consult JIANBANG technician for specific system recommendation

Color Variation:

Color may vary from batch to batch. JIANBANG ensures color variation $\Delta E \leq 0.2$. Suggest use the same batch to achieve best color consistency.

Packaging:

Part A: 20 kg in a 20-liter iron barrel

Part B: 4kg in a 5-liter iron barrel.

Shelf Life:

Part A: 12 months Part B: 12 months

If exceeding shelf life, the products shall be tested before using.

Storage:

According to the regulations, this product should be stored in dry, cool, ventilated warehouse away from fire and heat. The package must be kept airtight and handled carefully.

Safety:

Read safety direction on package carefully. Operate this product in ventilated condition, avoid over inhaling paint mist or spills on skin or eyes. If any coating splashes on skin, rinse with proper detergent or soap water. If splash into eyes by accident, call emergency medical service immediately. Check more safety details in SDS document.