

Epoxy Resin 212AB

I. Statement of purpose

Epoxy resin 212AB is an epoxy resin adhesive cured at room temperature and low temperature, **high hardness, can be sanded, fast curing time**, high transparency, can be cured at high temperature. Specially used in **paddle board surface coating, belt buckle, bar bar, stone surface coating**, LED encapsulation, **carbon fiber products coating**, polishing jewelry surface coating and mold filling and other electronic parts of the insulation, moisture-proof encapsulation, confidentiality masking, and so on.

II. Pre-sclerotic properties.

	A glue 212A	curing agent 212B
Color:	colorless and transparent	colorless and transparent
weight:	1.15	0.96
Viscosity 25°C:	<u>1200-2500CPS</u>	<u>1000MAXCPS</u>

III. Conditions of use

1)mixing ratio:	<u>A: B=100: 50 (weight ratio)</u>
2)hardening condition:	<u>25°C×3H-4H or 55°C×15min(2g)</u>
3)usable time:	<u>25°C×10min</u>

IV. Methods of use.

1. Working environment: keep the glue container clean, A, B components strictly according to the weight ratio, accurate weighing, clockwise along the inner wall of the container to mix well and stand for 3-5 minutes after use.
2. Depending on the operating time and dosage of the glue, to avoid waste. When the temperature is lower than 15 °C, please preheat the A glue to 30 °C before glue mixing, easy to operate (low temperature A glue will become thicker); after use must be sealed barrel lid, to avoid moisture absorption caused by the product scrap.
3. When the relative humidity is greater than 85%, the surface of the cured material is easy to absorb water in the air, forming a layer of white mist, so when the relative humidity is greater than 85%, it is not suitable for room temperature curing, it is recommended to use the heating curing.

V. Properties after hardening

1)Hardness:	shore D	<u>≤90</u>
2)Withstanding voltage:	KV/mm	22
3)Bending strength:	Kg/mm ²	28
4)Volume resistance:	Ohm ³	1x10¹⁵
5)Surface resistance:	Ohmm ²	5X10¹⁵

6) Thermal conductivity:	W/M.K	1.36
7) Electro-inductive loss:	1KHZ	0.42
8) Heat distortion temperature:	℃	80
9) Water absorption:	%	<0.15
10) Compressive strength:	Kg/mm2	8.4

The above performance data are typical data measured in a laboratory environment with a temperature of 25℃ and a humidity of 70%, and are for customers' reference only.