

Epoxy resin: **360**plus

Use description: Platinum 360+ is the latest and most technically advanced epoxy resin available. This one laminating / finishing resin is specifically formulated for the world Epoxy industry to replace all outdated resins using their fast/slow hardeners. 360+ was designed from scratch and started with a clean slate. 360+ is not just an existing standard resin that has been modified in the hope of meeting those special needs of Retail & Industry. 360+ as the name suggest, was initiated by going back to the start and asking what surfers want in a resin. 3 months research and talking to leading manufacturers, Resin Artist and pro surfers around the world has led to this awesome resin (some say that it is likened in the resin industry as Uber was to the taxi industry? – a real game changer!). Manufacturers wanted just one epoxy resin and not fast/ slow – tick. They wanted a resin that can be fully cured within 24 hours and at room or low temperature conditions – tick. High hardness? Rock hard - Shore 90D – is that good enough? – tick. Good leveling, natural defoaming, fast flip time, bright surface, high UV resistance – tick, tick, tick, tick, and tick. High temperature resistance to stop softening while products are left in the sun – 360+ is set at 85 deg C, while others soften at around 60 deg C (another tick). A bonus is that we found this same 360+ epoxy can be used for so many other applications! Carbon fiber composite materials, belt buckle manufacture, Bar counters (because of its hard and glossy surface), automotive material coatings, LED potting and mold filling, insulation of other electronic components, moisture-proof casting, etc. A truly remarkable resin!

Hardening properties:

	Epoxy resin 360+ base	Harder 360+ activator
Color:	Colorless and transparent	
Proportion SG:	1.15	0.96

Conditions of Use

- 1) Mix Ratio: A : B = 100 : 50 (Volume ratio)
- 2) Hardening conditions:
 - 25 deg C × 1.5 hours initial curing time**
 - 25 deg C × 4-6 hours full dry time**
 - 25 deg C × 24 hours full hardening time**
- 3) Pot life: **25 deg C × 15-20min**

(7 deg C. rise in temp. will halve the above times. 7 deg C lower temp. will double above times)

Use method

Working environment: Please keep the plastic container clean. A, B components are strictly according to the volume ratio, accurately measured, and stir it evenly along the inner wall of the container clockwise until it is mixed for 3-5 minutes.

Epoxy resin:



According to the operating time and amount of glue deployment, to avoid waste When the temperature is lower than 15 °C, please pre-heat the A glue to 30 °C and then adjust the rubber, easy to operate (low temperature, A glue will thicken); After use must seal the lid, to avoid the product due to moisture absorption scrapped.

When the relative humidity is more than 85%, the surface of the cured product can easily absorb the moisture in the air to form a white mist. Therefore, when the relative humidity is more than 85%, it is not suitable for room temperature curing. It is recommended to use the heating and curing.

The lid must be sealed after use to avoid the product being scrapped due to moisture absorption.

Hardened property

1) Hardness:	shore D	<90
2) Withstand voltage:	KV/mm	22
3) Bending strength:	Kg/mm2	23
4) Volume resistance:	Ohm3	1x10*15
5) Surface resistance:	Ohmm2	5X10*15
6) Thermal conductivity	W/M.K	0.61
7) Lure power loss	1KHZ	0.42
8) Heat distortion temperature	Deg. C	85
9) Water absorption	%	<0.15
10) Compressive strength	Kg/mm2	13.4

The above performance data is typical data measured in a laboratory environment with a temperature of 25°C and a humidity of 40%. It is for customer reference only.

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