

resin

Damival® 15120OA00 / 15174OB00

- ▶ Cold curing epoxy system
- ▶ Unfilled, low viscosity
- ▶ Solventless
- ▶ Long gel time at 20°C for an easy processing
- ▶ Available in small packing, pre weighted
- ▶ Suitable for class F equipments

General description

Two parts epoxy system, unfilled, with low viscosity and long gel time at ambient conditions. Cold curing.

Application

- Solventless varnish for impregnation of glass or polyester fibers, used in slot wedges of large generators
- Cold curing mastic when filled with our powder 8902
- Approved in medium and large generators industry

Processing

Epoxy resin may crystallize during a cold storage. In such case, warm the resin up to 60°C and remix prior to use.

The gel time and the curing time depend on the mixed volume, the temperature and the thickness of the layer. Final properties are depending on the curing level.

A too large amount of resin mixed with the hardener can create a strong exothermic reaction with a rapid increase of temperature.

The resin is packed in cans of 0,5kg and the hardener in pre dosed cans (0,275kg) to avoid any weighting operation.

Mixing ratio (resin/hardener):

Weight: 100 / 55

Storage Conditions

Resin : 12 months in original packaging, at 15 to 25°C, protected from moisture.

Do not store below 5°C to avoid crystallization

Hardener: 12 months in original packaging, at 15 to 25°C, protected from moisture.

Packaging

Resin : 0,5 kg can

Hardener : 0,275 kg can

Health and safety

- Avoid any contact with skin and eyes.
- Read the Material Safety Data Sheet for complete information.

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		Value (Resin)	Value (Hardener)	Value (After mixing)	Value (After curing)	Test norm
Physical properties						
Colour		Yellow	Light brown	Yellow		
Viscosity at 20°C	mPa.s	5000 ± 2000				
Viscosity at 25°C	mPa.s		350 ± 150	1500		
Density at 25°C		1,13	0,96	1,06		
Gel time at 100°C	mn			6 (20g)		
Gel time at 25°C (300 g)	h			10		TECAM
Hardness Shore D					85	ISO 868
Thermal properties						
Range of use					- 30°C / +160°C	
Glass transition temperature	°C				70	DMA
Temperature of deflection under load (Martens)	°C				40	