

# Resin

## Damival® 15120 OA00 / 15174 OB01

- ▶ 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 DAMIADD 8902
- Approved in medium and large generators industry

### Processing

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 : 24 months in original packaging, at maximum 25°C, protected from moisture. Possible storage at higher temperature for short period of time. May crystallise below 5°C. In such case, warm up to 60°C until crystals disappear, and stir before use.

Hardener: 12 months in original packaging, at maximum 25°C, protected from moisture. Possible storage at higher temperature for short period of time.

### 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.

	Value (Resin)	Value (Hardener)	Value (After mixing)	Value (After curing)	Test norm
<b>Physical properties</b>					
Colour	Yellow	Light brown	Yellow		
Density at 25°C	1,13	0,94	1,06		
Viscosity at 25°C	mPa.s	300 ± 200	1000		
Hardness Shore D				80	ISO 868
Gel time at 100°C	mn		6 (20g)		
Water absorption (24 h at 25°C)	%			0.2	ISO 62
Viscosity at 20°C	mPa.s	5000 ± 2000			
<b>Thermal properties</b>					
Glass transition temperature	°C			79	DMA
Weight loss at 180°C	%			3 (1000h)	
Range of use				- 30°C / +160°C	
Weight loss at 150°C	%			1.5 (1000h)	

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