VoaRoll

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 ambiant 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.

15120 OA00 / 15174 OB01

		Value (Resin)	Value (Hardener)	Value (After mixing)	Value (After curing)	Test norm
Physical properties						
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 100ºC	mn			6 (20g)		
Water absorption (24 h at 25°C)	%				0.2	ISO 62
Viscosity at 20°C	mPa.s	5000 ± 2000				
Thermal properties						
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)	

15120 OA00 / 15174 OB01