

EPOXY RESIN WITH HARDENER Chimepox 1652

TECHNICAL DATA SHEET

Characteristics

Component 1 – modified, non-crystallizing epoxy resin based on bisphenol A and F.

Application

The epoxy resin is suitable for casting thick highly transparent layers (up to 5cm). It is suitable for non-yellowing, transparent or pigmented decorative and industrial coatings. Spreading rate for 1mm thick layer is ~1,15 kg/m². Recommended casting thickness is up to 2cm for quantities (more than 5kg at once). This system is very slow. It hardens for 3 days at 23°C. It has very good defoaming properties and there is no need of popping air bubbles. If it is used for transparent floor coating minimum thickness should be 3 cm.

Properties

Epoxy resin

Viscosity at 25 °C, [mPa.s]	900-1000
Density at 23°C, [g/cm ³]	Ca 1.12-1,16
Epoxy equivalent, [g]	180 - 190
Color according Gardner, no higher than	<1

Packing

Two components are packed separately. The epoxy resin and the hardener.

The epoxy resin is packed in plastic or metal buckets of 18L or other suitable for the customer packs. The resin must be stored in sealed containers in temperature intervals of 10°C -30°C. Keep from freezing.

Safety data

Check MSDS

Shelf life

12 months.

Characteristics

Component 2 – The hardener is modified aliphatic polyamine.

Application

Hardener for epoxy coatings, suitable for highly transparent, thick layer casting (up to 5cm).

Properties

Hardener

Viscosity at 25 °C, [mPa.s]	10-18
Amine equivalent, [g]	65
Density at 23°C, [g/cm ³]	0,95 ± 0,02
Color according Gardner	< 1
Ratio – Resin: Hardener	100 : 38
Gel time of mixture for 100g at 23°C) [min]	300

Packing

The hardener is packed in plastic or metal buckets of 18L or in other suitable for the customer packs. The resin must be stored in sealed containers in temperature intervals of 10°C -30°C. Keep from freezing.

Safety data

Check MSDS

Shelf life

12 months.