

Epoxy EP12N

Version 01 | 18-08-2025

General

Epoxy resin EP12N is a universal, thin liquid 2K epoxy resin. It has excellent mechanical properties and a high chemical resistance. In combination with glass fibers it is suitable for shaped parts and panels. As a casting material it has to be combined with fillers or quartz sand.

Application

- As laminating resin for body construction and repairs.
- As casting material for anchoring etc. in the building sector.

Features / specifications - liquid

EP12N	
Mixing ratio	A : B = 2 : 1 parts by weight
Colour	Transparent/yellowish
Density	A-comp: 1,17g/cm ³ B-comp: 1,00 g/cm ³
Viscosity (25°C)	A-comp: approx. 600 mPa.s B-comp: approx. 400 mPa.s A+B: approx. 550 mPa.s

Processing

It is important to mix thoroughly with a mixing stick or mixing propeller and make sure that the mixing ratio is correct. At 20°C, the processing time is around 40 minutes. The resin has to be processed by brush, roller or casting depending on the application. The curing time is several hours, depending on the temperature and application. The minimal processing temperature as a casting resin is 10 °C and as a laminating resin 20 to 25 °C.

Features / specifications - cured

EP12N	
Compressive strength	1000 kg/cm ²
Hardness	95 (Shore-A)
Density	Approx. 1,14 g/cm ³
Temperature resistance	Max. 50°C
E-modulus	3000 kg/cm ²

Packaging

This product is available in the following packages (A+B):

- 1kg
- 10 kg
- 60 kg

Storage

It is recommended to store this product at temperatures below 20°C. Avoid exposure to heat sources such as direct sunlight. To avoid contamination this product cannot be stored outside.

Best before 6 months after production date (see chargeno.), provided the product is stored in a closed, original package.

Safety precautions

Refer to the Material Safety Data Sheet (MSDS) for information on safe storage and use of this product. Read this sheet thoroughly before using this product. The MSDS can be obtained from www.romar-voss.nl.

Transport

A-component

ADR-class: 9

UN-number: 3082

B-component

ADR-class: 8

UN-number: 1760

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