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EBOLIT 102

TECHNICAL DATA SHEET
TL 137/2001

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Product characteristics
Solution of medium molecular weight epoxy resin in mixture of organic diluents.

Applications
EBOLIT 102 (component A) is used for preparation of epoxy varnishes and epoxy coating compositions suitable for interior application. It is intended for application to wood, wood based products and matters, concrete, masonry, gypsum boards and metals.
HARDENER T 156 (component B) is used as a hardening component.

Product Features
Light yellow coloured moderately viscous liquid with a characteristic smell that can be diluted with acetone, xylene or isobutanol.

Organic solvent content

characteristic	unit	value
product's density	$g.cm^{-3}$	1.030
Content of organic solvents (expressed in mass fraction)	kg/kg of the product	0.35
Total organic carbon content	kg/kg of the product	0.296
Content of nonvolatile substances (expressed in volume percent)	volume percent	58.80

EBOLIT 102 must comply with the following quality characteristics:

Quality characteristic	Value	Methodology of assessment
Content of nonvolatile substances (%)	60 ± 2.5	PN-ZM 137/2001
Epoxy equivalent in dry matter ($g.mol^{-1}$)	445 to 525	ČSN EN ISO 3001
Epoxy index (mol/1000 g)	1.90 to 2.24	ČSN EN ISO 3001
Consistency at 23 °C (in s; measured by an efflux cup 4 mm)	80 to 150	ČSN EN ISO 2431
Colour in mg J_2/100 cm^3	maximally 3	ČSN 67 3011

Properties of EBOLIT 102 (component A) composition: HARDENER T 156 (component B) Mixing ratio 100 : 50	
Working life of the composition	maximally 12 hours

Hardened coating features	
Relative humidity	60 to 70 %
Drying stage of S 1	maximally 3 hours

Drying stage S 5	maximally 24 hours
Coating hardened at laboratory temperature Hardness (measured by a pendulum 3 days after it hardened)	minimally 40 %

Surface preparation
Prior to **EBOLIT 102** application, it is necessary to prepare a treated surface. It must be void of mechanical impurities or grease. If necessary, it must be ground. It is also possible to use a penetration membrane as a preliminary treatment, especially in case of a concrete bedding. We recommend using a penetration composition EBOLIT 101.

Directions for Use
EBOLIT 102 is used as a coating composition in the above mentioned applications.
To prepare a varnish, the component A and the component B are mixed in a ratio of 100 units (component A) to 50 units (component B).
Before they are used, the components must be thoroughly stirred. Consistency of the obtained mixture can be adjusted in accordance to a chosen method of application by use of a xylene-butanol mixture, isobutanol (4:1) or the diluent S 6003.

EBOLIT 102 Usage
Usage of an **EBOLIT 102** composition for 1 m^2 is 80 $g.m^{-2}$ for a single coating.
We recommend to perform from 2 to 3 coatings depending on absorptivity of the treated material.

Packaging & Storage
EBOLIT 102 is delivered in 200 l metallic barrels. Alternatively, it can be delivered in different containers that were discussed and agreed on in advance.
Store it in a sealed container in places protected from direct climatic influences. Recommended storage temperature is between +5 to +30 °C. Must not be stored in the sun or near heat sources. Storing at temperatures below 0 °C does not affect product's application properties.

Transport
EBOLIT 102 is transported by covered vehicles in compliance with ADR/RID Regulations.

Warranty
Provided the product is transported and stored in accordance with the above written conditions, its warranty is 6 months from the date it was delivered from a warehouse.

Note
Data about the product characteristics and its processing were obtained by laboratory measurements and application tests. This technical data sheet can provide solely legal advice without any engagements. Use of the product should be always adjusted to specific conditions.