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## **EBOLIT 105**

### **TECHNICAL DATA SHEET** **TL 567/2010**

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#### **Product characteristics**

It is a solution of low-molecular epoxy resin in a blend of an organic dissolvent.

#### **Use**

It is used as bonding agent for the production of epoxy coating masses with high utility properties such as ground anticorrosive dye, burning-out varnishes, impregnation of concrete, coatings of metallic and wooden surfaces. As a hardening agent Hardener T 150, Hardener T 156, Hardener T 2605 can be used.

#### **Product features**

<b>Properties of the composition of EBOLIT 105 : HARDENER T 150 Miscible ratio 100 : 60</b>	
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Composition lifetime	10 hours maximally
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<b>Properties of hardened coating</b>	
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Stage of drying S 1	1,5 hour maximally
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Stage of drying S 5	8 hours maximally
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Coating hardened during lab temperature	50 % minimally
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Pendulum-tested hardness after 10 days	
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#### **Content of organic solvents**

characteristic	Unit	value
Density of product	g.cm <sup>-3</sup>	1,055
Content of organic dissolvent expressed in weight decimal	kg/kg of product	0,304
Content of the overall organic carbon	kg/kg of product	0,304
Content of non-volatile substanec expressed in volumic %	volumic %	68,7

**EBOLIT 105** must comply with these quality signs:

Quality sign	Value	Methodology of setting
Content of non-volatile substances (%)	74 to 76	PN-ZM 567/2010
Epoxy equivalent in dry matter (g.mol <sup>-1</sup> )	1,8 to 2,1	ČSN EN ISO 3001
Epoxy index (mol/1000g)	476 to 555	ČSN EN ISO 3001
Viscosity at 25 °C (mPa.s)	3 to 6	PN-ZM 567/2010

#### **Product manufacturing**

For the application purposes, **EBOLIT 105** is hardened by following hardeners to 100 weight points of **EBOLIT 105**:

HARDENER T 150	60 weight points
HARDENER T 156	60 weight points
HARDENER T 2605	18,5 weight points

#### **Packing and storage**

**EBOLIT 105** is filled up to a metallic drums (200 litres) or to other containers that have been discussed in advance. This product is stored in closed containers at the places protected from direct climatic influences. The recommended storage temperature is between +5 to + 30 °C. It must not be exposed to direct sunshine nor close to any sources of heat. Storage temperatures below 0 °C do not have any negative effect on the application characteristics of the product.

#### **Transport**

**EBOLIT 105** is transported in compliance with the ADR/RID regulations.

#### **Warranty**

If the product is transported and stored according to the above mentioned conditions, the warranty is 6 months from the date of stock-out.

#### **Note**

Data about the product characteristics and its manufacturing were acquired by laboratory measurements and application tests. This technical sheet can only give a legal advice without any obligation. The manufacturing of the product must be adjusted to the specific conditions.