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EBOLIT 508/xxxx

TECHNICAL DATA SHEET **TL 498/2009**

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Product characteristics

EBOLIT 508/XXXX is a low-molecular epoxy resin modified by reactive solvents with a content of pigments and filler agents. It is produced in various RAL shades (508/1012, 508/1002, 508/7001 – last four digits express given RAL shade).

Use

EBOLIT 508/XXXX is self-levelling flooring for the preparation of seamless interior floors. Before application is hardened by a suitable hardener e.g. HARDENER T 2605 in a ratio of 100 weight units of **EBOLIT 508/XXXX** and 30 weight units of the HARDENER T 2605.

Product features

It is a turbid viscous fluid in a shade according to RAL scale.

Characteristics of the hardened flooring by the HARDENER T 2605 (100 : 30)

Hardness after 24 h (23 °C) in MPa	min. 30
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Other characteristics of the hardened composition such as linear shrinkage, absorbency, tensile and bending strength, impact strength and tensibility, grindability and holding resistance will be integrated after their measure-based findings.

EBOLIT 508/xxxx must comply with these quality signs:

Quality sign	Value	Methodology of setting
Consistency by outflow calicle 6 mm at 23 °C (in seconds)	50 up to 120	ČSN EN ISO 2431
Shade according to the RAL scale	according to customer's needs	visual comparison with colour scale

Product manufacturing

Characteristics of concrete surface

The concrete foundations, to which the self-levelling flooring **EBOLIT 508/XXXX** will be applied must fulfil following parameters:

Compressive strength according to ČSN for wheel-treads	MPa	min. 21,5
Compressive strength according to ČSN for walking surfaces	MPa	min. 17,5
Holding resistance	MPa)	min. 1,5

Surface flatness	mm.m ⁻¹	max. 1
Humidity of the concrete area	% weight	max. 4

The product is applied to dry, flat, crackless, well-matured (at least 28 days) concrete insulated from the influences of bottom humidity, devoid of dust and free particles, stains of oils, asphalts, coating masses, fuel or other adhesion-decreasing substances.

Penetration of the base

If the base concrete is satisfactory, it is performed minimally 24 hours before the actual base penetration placing and that by EBOLIT 101 hardened by HARDENER P 11 in weight ratio of **100 weight units of EBOLIT 101 : 1,2 weight units of HARDENER P 11**

For the penetration, it is also possible to use EBOLIT 502 hardened by HARDENER P11 in weight ratio of **100:12**, or EBOLIT 103 hardened by HARDENER T 175 in weight ratio of **100:150** or, alternatively, EBOLIT 200 AC with HARDENER P 11 in weight ratio of **100:2**.

The point of penetration is, above all, to strengthen the concrete surface and get the air out of it. After the application of the penetration coating no coherent varnished layer must be evident on the concrete surface. The consumption of the penetration composition is dependent on the quality and absorbency of the base and varies from 300 to 700 g.m⁻². When the penetration is finished it is necessarily required to keep the technological break minimally 24 h prior to the beginning of laying the flooring of **EBOLIT 508/XXXX**.

Laying of the flooring

EBOLIT 508/XXXX is primarily homogenized properly e.g. by immersion propeller stirrer to heave total settled pigment as well as filler agent. After that and under uninterrupted stirring calculated amount of hardener (HARDENER T 2605) is added. The mixing ratio in weight units is **100 units of EBOLIT 508/XXXX : 30 units of hardener HARDENER T 2605**. We recommend, for the faster de-foaming of the mixture, the addition of 0,2 to 0,3 % of silicone defoamer BYK A 525. The composition is mixing for 2 to 3 minutes. Workability time of the mixture after pouring on the base is approx. 20 min. We recommend performing the laying of flooring under the base temperature of minimally 18 °C and ambient temperature 20 up to 25 °C. Recommended thickness of the layer is 2 to 3 mm, that is, the consumption of **EBOLIT 508/XXXX** is about 3 kg/m².

Packing and storage

EBOLIT 508/XXXX is delivered in metal drums in the volume of 200 litres or in other containers that have been discussed in advance. It is stored in closed containers at the places protected from direct climatic influences. The recommended storage temperature is within +5 to +30 °C. It must not be stored in the sun-shine not even close to any heat sources. Storage by temperatures below 0 °C does not have any negative influence on the application characteristics of the product.

Transport

EBOLIT 508/XXXX is transported by covered transportation means in accordance 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.

Appendix – Further notes

We consider the data and statements stated in this technical sheet correct and exact, they are destined to provide guidance for approved procedures in building industry. The producer does not provide nor empowers any of his sales or other representatives to provide any guarantees, direct or derived concerning this material and connected with the performance, climatic influences, construction, used equipment or other changeable conditions, which are completely out of his influence. The producer only guarantees, that the material corresponds to the technical conditions and any responsibility towards the buyer or user of this product is limited only on the exchange of the product. The producer does not in any case take over the responsibility for the injury, damages or loses originated, whether directly, indirectly, accidentally, subsequently or in

relation with the using of the product or works performed with it. The producer will not be responsible in any way defects, deviations or changes of the base on which are its products being put on.

