



Special product

Technical Datasheet MULTIFIX®

1. Product description

MULTIFIX® is a pasty adhesive-and sealing compound product based on a modified polymer, which hardens under humidity into a flexible product.

MULTIFIX® can be used as a sealing compound in extremely tense joints, such as in industrial plants and on roadways. Thanks to its high resistance to chemicals, MULTIFIX® is particularly suitable for areas which have high levels of chemical contamination.

MULTIFIX® is very adhesive even in fresh condition, therefore straight after its application a high bonding power can be reached.

MULTIFIX® can be used even under water.

The product is particularly suitable for bonding TENSA®COMPRESS A and N profiles even on damp substrates as MULTIFIX® reacts (cross-links) through moisture.

2. Technical properties

Property	Standard	Unit	Value and tolerance
Material	–	–	SPPO
Colour	–	–	black
Specif. Density (23°C)	DIN EN ISO 2811-1	g/cm ³	1.5
Dyn. Viscosity (23°C)	DIN EN ISO 2555	Pas	ca. 4,000
Hardness	DIN ISO 7619-1	Shore A	ca. 55
Tensile strength	DIN EN ISO 527	N/mm ²	ca. 2.5
Elongation at break	DIN EN ISO 527	%	ca. 500
Skin building time *	ASTM C679	min	ca. 15
Hardening speed *	–	mm/24 h	3
Temperature of application	–	°C	5 - 40
Maximal strain for use	–	%	ca. 10%
Temperature resistance	–	°C	–40 to +90

* measured at 23°C / 50% relative humidity

3. Test certificates

- Measurement of bond strength of MULTIFIX® on concrete and Steel; MFPA Leipzig 2001
- Resistance of MULTIFIX® to highly aggressive fluids to concrete and sulfuric acid pH 1; MFPA Leipzig 2003
- Determination of water tightness of ACO drainage channel in combination with MULTIFIX® according to DIN EN 1433; MFPA Leipzig 2004
- Testing of mastic asphalt on MULTIFIX®; TPA GmbH 2008
- DIN EN 1542 adhesive strength by pull-off after different storage; MFPA Leipzig 2012
- MULTIFIX® and TENSA®COMPRESS A – Proof of fire behaviour according to DIN 4102-1; Prüfinstitut Hoch Fladungen 2012
- Examination according to TrinkwV 2012 and coatings Guideline; görtler analytical service gmbH Vaterstetten 2019

4. Applications

- Bonding and sealing without primer on polyester (GFK), PVC, acrylic-glass, polystyrene, Makrolon, EPDM (e.g. TENSA®COMPRESS A and N), steel, stainless steel, aluminium, concrete, clinker, marble, glass and wood
- Sealant for extremely high tensed joints, in which only small movements are expected (max. 10% movement absorption)
- Sealing and bonding even under water and on wet surfaces



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5. Processing

The surfaces shall be firm, clean, dry and free of separating substances (fats, oils, etc.). MULTIFIX® should be applied steadily with force on the bonding area. For its application we recommend the use of a manual caulking gun.

The opened container should be used up as soon as possible.

The adhesion on hard-to-bond plastics such as PE or PP (polyolefin) should be tested before start.

On contact surfaces such as aluminium, galvanized steel plate, PVC, PS, Makrolon and others, MULTIFIX® can be used without a primer.

The adhesion on slightly moist concrete surfaces is as high as on dry primed concrete. In addition, bonding under water is also possible.

The full hardening time depends on humidity and temperature. By increasing the temperature and humidity the full hardening time can be reduced.

6. Safety information

MULTIFIX® is not classified as hazardous according to (EC) 1272/2008 (CLP) Regulation.

Even in the case of unclassified products, the standard precautionary measures applicable for chemical products should be observed.

It is therefore necessary before the beginning of application, to become familiar with the precautions and safety advice as indicated on the Product Data Sheet. This is available upon request at any time.

7. Packing

600 ml aluminium foil bars

20 pcs per box.

8. Legal Notes

The information, and in particular, the recommendations relating to the application and end-use of mageba products, are given in good faith based on mageba's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with mageba's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. mageba reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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