





ELASTOBOND

WATER BASED FLEXIBILISING ADHESIVE ACRYLIC LATEX
FOR CEMENT ADHESIVES



CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
 WATER BASED	 ECO GREEN	 MIX MECHANICALLY	 STORAGE: KEEP AWAY FROM FROST

PROBLEM

IMPROVE THE ADHESION, RESISTANCE AND WATERPROOFING OF CEMENT-BASED ADHESIVES



Bonds to old foundations or especially smooth support surfaces are a common problem when laying ceramic tiles. Problems also arise with structures subjected to vibrations that can cause cracking of foundations. In these cases it is good practice to incorporate an adhesion-enhancer in the cement mix to make it more flexible and able to absorb structural vibrations.

SOLUTION

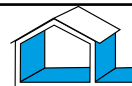
ELASTOBOND is an extremely-elastic synthetic polymer-based modifier in a water solution. When it is mixed with cement mortars it improves bonding to all types of support surfaces. **ELASTOBOND** achieves elastic adhesion that can absorb structural movements by support surfaces without cracking. At the same time it is perfectly impermeable to water.

ADVANTAGES

- Improves the chemical strength of the mortar, making it highly resistant to attack by solvents and oils.
- Excellent bonding and flexibility.
- Improves abrasion resistance and mechanical strength.
- Reduces the possibility of cracking.
- **ELASTOBOND** waterproofs and bonds the toughest indoors and outdoors jobs.

APPLICATION FIELDS

ELASTOBOND is used with cement mortars to make universal adhesives for ceramic tiles of all types and for slabs of natural stone. It is used for outdoors setting of wall coverings, balconies, terraces, prefabricated concrete walls, swimming pools, cold cells, on existing ceramic and marble tile floors, floor foundations subject to strong oscillations or made using quick-curing cements, heated floors, etc.



Internal and external floors and lining

METHOD OF USE

• SUBSTRATE PREPARATION

All loose parts must be removed. All traces of oil, formwork release agents, dust and dirt must be removed. Surfaces must be free of humidity and sufficiently hard. Damaged parts and crawl space or foundation walls must be restored with RESISTO UNIFIX mortar. Plaster surfaces must first be treated with a coat of ISOLFIX G waterproofing primer.

• MIX PREPARATION

Pour liquid **ELASTOBOND** into a container and gradually add the powdered mortar, mixing with a low speed mechanical hog (1). Avoid introducing air. Mix until the product is smooth, free of clots and is easy to use, with good thixotropy and spread. Let the mix rest for a few minutes and then proceed to use it.

• Mixing Ratios

Mix one 25 kg sack of cement mortar with about 7-8 kg of **ELASTOBOND** to achieve maximum elasticity. Lower ratios, like 1:1 or 1:2 with water, can be used in less-severe installation sites.

• APPLICATION

Waterproof the floor foundation by applying the **ELASTOBOND** and mortar mix with a smooth

stainless steel trowel, spreading it uniformly in a 1-2 mm thick coat. Wait 24 hours for this coat to totally dry and then set the ceramic tiles. Spread the **ELASTOBOND** and mortar mix uniformly over the previous coat using a toothed trowel (2). Apply tiles quickly, pressing well to guarantee maximum contact.

• COVERAGE

From 2 to 7 kg for 25-kg-sack of cement mortar.

• PRECAUTIONS

- Use **ELASTOBOND** in temperatures ranging from +5°C to +40°C.
- Setting times decrease rapidly when the product is used in hot weather because the resin quickly forms a surface film. This film must be removed by retrowelling the mortar.
- Store at temperatures higher of +5°C. The product is no longer usable if it has been frozen.
- Damp concrete foundations can greatly lengthen curing time.
- Grout after 24 hours.
- Clean tools with water immediately after use.

- Avoid preparing the mix by hand.
- The product is damaged by freezing. Keep the product indoors and where temperatures do not drop below +5°C.



TECHNICAL CHARACTERISTICS

	Standard	ELASTOBOND
Appearance		milky liquid
Colour		White
Density		1.01 kg/L
Mix ratio		1 : 3
Dry residue	DIN 53189	30% ± 1%
pH		8-9
Flammability		non flammable
Storage in original packaging in a dry place, away from frost		12 months
Mix characteristics and workability		
Pot life		approx 6÷8 hours
Open time - mix product with ELASTOBOND (*)		15 minutes
Adjustability time - mix product with ELASTOBOND (*)		40 minutes
Application temperature		+5°C ÷ +35°C
Minimum film temperature		0°C
Application		Manual
Performance characteristics		
Resistance to aging	Standard	Product performance
Resistance to solvents and oils		good excellent

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorpency.** (*) The times indicated will be longer or shorter as the temperature drops or rises.

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the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

20-kg-Can
5-kg-Can

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

 <p>index Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	<p>Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it</p>		<p>TOTAL QUALITY index</p>  <p>UNI EN ISO 9001</p>	<p>Environmental Management Systems index</p>  <p>UNI EN ISO 14001</p>	 <p>index "GBC Italia" Associated</p>	 <p>lavorosicuro</p>
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