







Marking  
**CE**  
 Reference standard:  
 EN 12004:2007+A1:2012

# ELASTOCOL AB

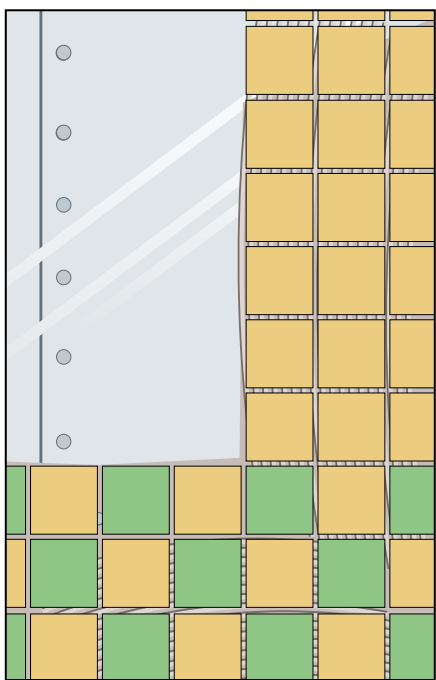
**WATERPROOF ELASTIC TWO-COMPONENT EPOXY POLYURETHANE SUPER ADHESIVE FOR DIFFICULT SUPPORTS FOR LAYING CERAMIC TILES, NATURAL STONE AND COMPOSITE STONE ON INTERIOR AND EXTERIOR FLOORS AND WALLS**

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
 TWO-COMPONENT		 MIX MECHANICALLY	 APPLY BY TOOTHED SPATULA	 STORAGE: KEEP AWAY FROM FROST

## PROBLEM

### APPLICATION ON DIFFICULT, UNABSORBENT SUBSTRATES SUBJECT TO HIGH STRAINS



## SOLUTION

The application of tiles and sheet material of various types on difficult surfaces which are subjected to vibration and deformation requires an all purpose product which will provide efficient adhesion together with flexibility and impermeability.

**ELASTOCOL AB** is a two-part polyurethane paste adhesive of which part B is the hardening agent. Setting takes place as the result of chemical reaction between components A and B, without water or solvents. The mix which results is a viscous, thixotropic paste which once hardened becomes a flexible, rubbery product which is extremely adhesive and waterproof.

## APPLICATION FIELDS

**ELASTOCOL AB** is used to apply ceramic tiles, marble, mosaics, natural stone, timber, bathroom accessories, rubber and pvc as well as textile materials both outdoors and indoors, on new floors and walls or on top of existent ones. It adheres to all surfaces commonly used in



building, including difficult surfaces subjected to elastic deformation and vibrations such as timber, chipboard, metal sheet, bituminous membranes, etc. Some application examples are as follows:

- tiles in showers, swimming pool;
- ceramic tiles or natural stone on balconies and terraces;
- mosaics on wooden kitchen floors;
- brickwork on top of bituminous membranes.

It is also suitable for waterproofing terraces and bathrooms and may be added to quartz sand to provide permanent waterproof coatings.

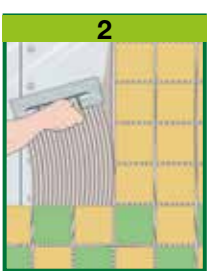


## ADVANTAGES

- It is an all purpose adhesive which solves numerous fixing problems.
- It waterproofs and fixes simultaneously.
- It eliminates problems when fixing to surfaces subjected to vibration and deformation because of its excellent flexibility.

## METHOD OF USE

**• MIX PREPARATION**  
 Carefully mix together component B (hardener) and component A using an electric blender until a smooth paste is achieved (1).



**• APPLICATION**  
 The prepared product should then be applied by toothed trowel on clean surfaces which have no grease, oils or loose, crumbling parts (2). If a waterproof coating is required, it is necessary to first apply a smooth layer on the surface to protect it from infiltrations and wait 24 hours before applying the second layer.

**• COVERAGE**  
 Coverage varies from 1-3 kg/m<sup>2</sup> according to use.

- PRECAUTIONS**
- Use the product at temperatures no lower than +10°C and not above +40°C.
  - Remember that as the temperature rises, setting speeds up, thus reducing handling

- time.
- When dealing with crumbling substrates, use **BETON PRIMER S** consolidating primer.
  - Do not apply **ELASTOCOL AB** on surfaces which are wet or subjected to rising damp.
  - Remove any oil, grease or crumbling parts from surfaces.
  - Clean tools with water and surfaces with alcohol while still fresh.
  - Store the original closed packaging in a dry place. Keep away from frost and from high temperature.
  - Pot life may change from 1 to 2 hours.

# TECHNICAL CHARACTERISTICS

		ELASTOCOL AB	
		COMPONENT A	COMPONENT B
Appearance		Dense paste	Dense paste
Mix ratio		9,4	0,6
Colour		Beige	
Storage in original packaging in a dry place, away from frost		12 months	
<b>Workability characteristics</b>			
Pot life (*)		approx 1 ÷ 2 hours	
Application temperature		+10°C ÷ +35°C	
Open time (*)		60 minutes	
Adjustability time (*)		60 minutes	
Waiting time - before foot traffic use (*)		24 hours	
Waiting time - before grouting (*)		24 hours	
<b>Performance characteristics</b>		<b>Standard</b>	<b>Product performance</b>
<b>Class and type</b>	<b>EN 12004</b>	<b>R2T</b>	
<b>Initial shear adhesion</b>	<b>EN 12003 P7.3</b>	≥2.00 N/mm <sup>2</sup>	
<b>Adhesion strength - after immersion in water</b>	<b>EN 12003 P7.4</b>	≥2.00 N/mm <sup>2</sup>	
<b>Adhesion strength - after heat</b>	<b>EN 12003 P7.5</b>	≥2.00 N/mm <sup>2</sup>	
<b>Open time: adhesion strenght - after 20'</b>	<b>EN 1346</b>	≥0.50 N/mm <sup>2</sup>	
<b>Sliding</b>	<b>EN 1308</b>	≤0,5 mm	
Thermal resistance - Operating temperature		-30°C ÷ +90°C	
<b>Fire reaction</b>	<b>EN 13501-1</b>	E CWFT P4.4.3	
<b>Hazardous substances</b>	<b>EN 12004</b>	in accordance to ZA.1 note	

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 absorbency.** (\*) The times indicated will be longer or shorter as the temperature drops or rises.

(\*) The times indicated will be longer or shorter as the temperature drops or rises.

Pursuant to European standard EN 12004:2007+A1:2012 - General principles for the use of products and systems.

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

ELASTOCOL AB	10,0 kg	5,0 kg
- Component A: Pail	9,4 kg	4,7 kg
- Component B: Can	0,6 kg	0,3 kg

• 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 •

 <b>Construction Systems and Products</b> Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390	Internet: <a href="http://www.index-spa.com">www.index-spa.com</a> Informazioni Tecniche Commerciali <a href="mailto:tecom@indexspa.it">tecom@indexspa.it</a> Amministrazione e Segreteria <a href="mailto:index@indexspa.it">index@indexspa.it</a> Index Export Dept. <a href="mailto:index.export@indexspa.it">index.export@indexspa.it</a>		 UNI EN ISO 9001	 UNI EN ISO 14001		