

# ELASTICO

flexible and frost-resistant  
adhesive mortar with  
increased strength C2TES1

**Sempre**<sup>®</sup>

## PROPERTIES

- highly flexible
- suitable for use with underfloor heating systems
- for outdoor and indoor use does not cause tiles to slide off vertical surfaces
- high adhesion to all materials commonly used in construction
- for large-format tiles – with an area of up to 2.0 m<sup>2</sup>
- waterproof
- frost resistant

## APPLICATION

Very flexible adhesive mortar designed for gluing ceramic tiles (also large-format ones), such as: glaze, stoneware, clinker tiles as well as natural stone and marble (using white glue is recommended) for thermally deformable substrates inside and outside build-ings. Can be used with underfloor heating. Resistant to water, frost and other weather conditions. Thanks to excellent technical and performance parameters, it is efficient and convenient to use.

## CLASSIFICATION ACCORDING TO THE PN-EN 12004 STANDARD

ELASTICO is a cement adhesive for tiles with improved parameters (C2), reduced flow (T), extended open time (E), deformable (S1), class C2TES1.

## TECHNICAL DATA

<b>Group of products</b>	Dry construction mixtures.
<b>Contains</b>	Cement, lime, mineral fillers, refining additives
<b>Colors</b>	Grey/white
<b>Consumption</b>	cca. 3 -7 kg/m <sup>2</sup> *

Parameters	Parameter	Norm	Value	Unit
	Layer thickness		2 - 15	mm
	Initial tensile adhesion strenght		≥ 1,0	N/mm <sup>2</sup>
	Tensile adhesion strenght after water immersion		≥ 1,0	N/mm <sup>2</sup>
	Tensile adhesion strenght after heat ageing		≥ 1,0	N/mm <sup>2</sup>
	Tensile adhesion strenght after freeze-thaw cycles	EN 12004:2007 +A1: 2012	≥ 1,0	N/mm <sup>2</sup>
	Open time: tensile adhesion strenght (after no longer than 30 minutes)		≥ 0,5	N/mm <sup>2</sup>
	Deformable adhesive transverse deformtion		≥ 2,5	mm
	Reaction to fire		Class E	---

The parameters given are mean of the results obtained during the tests. Due to the use of raw materials, actual values may slightly differ from those in the table.

\* Consumption depends on the substrate and application technique. The given value is approximate.

**USE INSTRUCTION**

<b>Substrates</b>	The substrate should be clean, load-bearing, compact, even and degreased. Loose grains and impurities as well as poorly bonded coatings of old emulsion paints should be carefully removed. The curing periods of the preceding layers should be maintained. Level defects and irregularities in the substrate up to 8 mm with ELASTICO, and deeper ones with BUDOMONT ZT-620 mortar. Surfaces infected with fungi and algae must be disinfected with the ALGHESIL fungicide and algaecide. Prime absorbent and poorly bonded substrates with ETERNA GRUNT F or deeply penetrating primer SEMPRE GRUNT GP.
<b>Preparation of tiles</b>	The tiles should be cleaned of dust, dirt and grease. Protect against overheating and soaking during storage. Bring the tiles to room temperature before applying them.
<b>Production preparation</b>	Gradually pour the contents of the ELASTICO package into approximately 6-7 liters of water and mix with a mechanical mixer until a homogeneous mass without lumps is obtained. The mortar's proper working consistency is achieved after mixing it again after a 5-10-minute break. The shelf life of the mixed mortar is approximately 2 hours. Do not treat the hardened mortar with water or mix it with fresh mortar - this will result in loss of functional properties.
<b>Application</b>	Apply the mixed ELASTICO mortar to the substrate to obtain a thin bonding layer. Immediately afterwards, apply and spread the mortar using a notched trowel. The size of the trowel teeth should be matched to the size of the tiles. Place the plate and press immediately. When attaching large-format tiles outdoors or on floors that will be subject to high loads, apply a layer of adhesive also to the underside of the tile (double lubrication method). Apply enough adhesive to the substrate to cover it with tiles in no more than 30 minutes. If a dry skin forms during work, do not moisten the glue with water, but drag the mortar layer again with a notched trowel.
<b>Drying</b>	Grouting on floors after 24 hours, on walls after 12 hours. Floors exposed to light foot traffic after approx. 24 hours. Full load after approx. 14 days.
<b>Cleaning tools</b>	Water – directly after use.

**PACKAGING**

25 kg

**STORAGE**

Store the product in its factory-sealed packaging, in a dry and cool room. The shelf life is 12 months from the production date (see the side of the packaging).

**SAFETY AND HYGENE OF WORK/ FIRE PROTECTION**

Non-flammable product. Causes serious eye damage. May cause respiratory irritation. It is irritating to the skin. May cause an allergic skin reaction. Keep away from children. Avoid inhalation of dust. Wear protective gloves/protective clothing/eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and can be easily removed. If skin irritation or rash occurs: Get medical advice/attention.

The manufacturer guarantees the product quality, but shall not be liable in terms of its use. The information herein provided is based on the manufacturer's knowledge resulting from many years of observations. This information cannot however replace professional know-how of the contractor and does not exempt the contractor from complying with the rules of the building art and the safety and hygiene at work, thus do not constitute any legal grounds for the settlement of disputes in court. For further questions or doubts, please contact the manufacturer.