

ELASTICO

flexible and frost-resistant adhesive mortar

with increased strength **C2TES1**

Sempre[®]

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**
- **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 buildings. 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 PN-EN 12004

Elastico adhesive is a deformable (S1) cementitious adhesive for tiles with increased adhesion (C2), reduced sliding (T) and extended open time (E), C2TES1 class.

TECHNICAL SPECIFICATIONS

Product Group	Dry Construction Mixes			
Core Components	Cement, lime, mineral fillers, performance additives			
Color	Gray / white			
Yield	Approx. 5kg/m ² *			
Parameters	Parameter	Standard	Value	Unit
	Dry density	EN 1097-3:1998, IDT	1.6–1.8	-
	pH after mixing with water	-	12–13	-
	Layer thickness	-	up to 8	mm
	Initial adhesion	EN 12004-1: 2017, IDT	≥ 1	N/mm ²
	Adhesion after immersion in water	EN 12004-1: 2017, IDT	≥ 1	N/mm ²
	Open time: adhesion (after no more than 30 minutes)	EN 12004-1: 2017, IDT	≥ 0.5	N/mm ²
	Transverse deformation:	EN 12004-1: 2017, IDT	≥ 2.5 and <5	mm
	Sliding	EN 12004-1: 2017, IDT	≤ 0.5	mm
	Adhesion after thermal aging	EN 12004-1: 2017, IDT	≥ 1	N/mm ²

Adhesion after freeze-thaw cycles	EN 12004-1: 2017, IDT	≥ 1	N/mm ²
Fire resistance	EN 12004-1: 2017, IDT	A1 class	-

The specified parameters are average values obtained during the tests. Due to the use of natural raw materials, actual values may slightly differ from those provided in the table.

* Yield depends on the substrate and application technique. The value provided is indicative.

HOW TO USE:

Substrate

The substrate should be clean, structurally sound, compact, even and degreased. Loose dust and contamination as well as poorly bonded coatings of old emulsion paints should be carefully removed. Curing periods of previous layers should be observed. Level defects and uneven surfaces up to 8 mm with ELASTICO glue, and deeper ones with BUDOMONT ZT-620 mortar. Surfaces infected with fungi and algae must be disinfected using ALGHESIL algae and fungus remover. Prime absorbent and weakly bound substrates with ETERNA GRUNT F or SEMPRE GRUNT GP deep penetrating primer. Slippery substrates with low absorbability like terrazzo, oil paints, chipboards, old glaze should be matted before application (e.g. using sandpaper), dedusted and then coated with Sempre Grunt S adhesive primer or one-component Renowator 330 or two-component Renowator 300 sealing mortar. For underfloor heating systems using heating foil or mat, apply one-component Renowator 330 or two-component Renowator 300 sealing mortar in a 2-3 mm thick layer to increase adhesion to the substrate and protect against moisture and water.

Preparation of tiles

Tiles should be cleaned of dust, dirt and grease. Protect against overheating and soaking during storage. Allow tiles to adapt to room temperature before using.

Production preparation

Pour the contents of the ELASTICO packaging gradually to approx. 6.0-7.0 l of water and mix with a mechanical stirrer until a homogeneous mass without lumps is obtained. The proper working consistency of the mortar is obtained upon remixing, after a 5-10 minute break. The mixed mortar is usable for approx. 2 hours. Do not treat the hardened mortar with water or mix with fresh mortar as it will lose its functional properties.

Application

Apply ELASTICO mortar on the substrate to obtain a thin bonding layer. Apply and spread the mortar with a notched trowel immediately afterwards. The size of the trowel teeth should be selected according to the size of the tiles. Place the tile and press immediately. When fixing large-format tiles and marble, outdoors or on floors to be subjected to high loads, apply a layer of adhesive also to the bottom of the tile (double application method). Apply adhesive to the surface in a quantity to be covered with tiles in no more than 30 minutes. If dry crust forms during work, do not wet the adhesive with water, but level the mortar layer with a notched trowel again.

Drying

Grouting on floors after 24 hours and after 12 hours on the walls. Light foot traffic on the floors after approx. 24 h. Full load after approx. 14 days.

Tools cleaning

With water, immediately after use.

PACKAGING

25 kg

STORAGE

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

HEALTH AND SAFETY/FIRE PROTECTION

Non-flammable product. Causes skin irritation. May cause an allergic reaction. May cause respiratory irritation. Causes serious eye damage. Avoid breathing dust. Wear protective gloves / protective clothing / eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. If skin irritation or rash occurs: Obtain medical advice / attention.

The manufacturer guarantees the quality of the product, but has no impact on the way it is applied. The information provided herein is based on the manufacturer's knowledge resulting from many years of observation of practical applications. These, however, do not replace the professional training of the user, nor release the user from compliance with good construction practices and OHS regulations, hence they do not constitute grounds for settling disputes in court. If you have questions or concerns, please contact the manufacturer.