

# CENTRO

deformable gel adhesive  
for tiles  
with increased parameters  
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

Gel deformable adhesive mortar intended for gluing ceramic tiles, such as tiles, stoneware, clinker tiles, inside and outside buildings. Resistant to water, frost and other weather conditions. Thanks to its excellent technical and operational parameters, it is efficient and comfortable to use. Thanks to the use of special ingredients that give it a gel-like consistency, the adhesive retains water in the system, which increases adhesion to the substrate and is less sensitive to overdosing of mixing water. Suitable for use in underfloor heating systems. Also recommended for large-format tiles with an area of up to 2.0 m<sup>2</sup>.

## CLASSIFICATION ACCORDING TO THE PN-EN 12004 STANDARD

CENTRO glue is a cement tile adhesive 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. 4-5 kg/m <sup>2</sup> *			
<b>Parameters</b>	<b>Parameter</b>	<b>Norm</b>	<b>Value</b>	<b>Unit</b>
	Layer thickness	EN 12004:2007 +A1: 2012, IDT	2 - 15	mm
	Initial tensile adhesion strength		≥ 0,5	N/mm <sup>2</sup>
	Tensile adhesion strength after water immersion		≥ 1,0	N/mm <sup>2</sup>
	Tensile adhesion strength after heat ageing		≥ 1,0	N/mm <sup>2</sup>
	Tensile adhesion strength after freeze-thaw cycles		≥ 1,0	N/mm <sup>2</sup>
	Open time: tensile adhesion strength (after no longer than 30 minutes)		≥ 0,5	N/mm <sup>2</sup>
	Deformable adhesive transverse deformation		≥ 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****Substrates**

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. Seasoning periods for the preceding layers should be maintained. Level defects and irregularities in the substrate up to 15 mm with CENTRO glue, and deeper ones with BUDOMONT ZT-620 mortar. Surfaces infected with fungi and algae must be disinfected with ALGHESIL algae and fungi remover. Absorbent and poorly bonded substrates with the deeply penetrating primer SEMPRE GRUNT GP. Slippery surfaces with low water absorption, such as terrazzo, oil paints, chipboards, old tiles, should be matt before application (e.g. using sandpaper), dusted off, and then covered with a flexible one-component sealing mortar Renowator 330 or two-component Renowator 300. If it is necessary to glue the tiles on weak, difficult-to-clean substrates, it is recommended to perform an adhesion test by gluing the tile and checking the connection after 48 hours.

**Preparation of tiles**

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.

**Production preparation**

Gradually pour the contents of the CENTRO package into approximately 6.0–7.0 l of water and mix with a mechanical mixer until a homogeneous mass without lumps is obtained. When gluing large-format tiles, it is recommended to use less mixing water. The proper working consistency of the mortar is achieved after mixing it again after a 5-minute break. The shelf life of the mixed mortar is approximately 3 hours. Do not treat the hardened mortar with water or mix it with fresh mortar - this will result in loss of functional properties.

**Application**

Apply the mixed CENTRO 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. The amount of mortar applied to the substrate should be selected so that after pressing the tile, the contact surface with the adhesive is even and as large as possible. When laying tiles on a vertical surface, the mortar should cover at least 65-70% of the tile surface. When attaching tiles with edges larger than 40 cm, apply a thin layer of glue also to the underside of the tile (combined 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 remove the layer of glue and reapply a new one. Work should be performed at temperatures of +5°C to +35°C.

**Drying**

Grouting on floors after 16 hours, on walls after 12 hours. Floors exposed to light foot traffic after approx. 24 hours. Full load after approx. 14 days.

**Cleaning tools**

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.

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