

ARGOCOLA ELITE 500

High performance cementitious deformable cementitious adhesive C2TES1



Colors:



White
25Kg - 350011



Grey
25Kg - 350310

ARGOCOLA ELITE 500 is a high performance deformable cementitious adhesive C2TES1 formulated with Portland cement, selected aggregates, organic additives and polymers that give it an extraordinary capacity for deformation, adhesion and durability.

Presentation

- Appearance: Powder
- Colour: White
- Weight (kg): 25
- Yield (kg/m²): 4.5
- Performance in mm thickness (kg/m²): 1,8
- Product code: 350011

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	25	-
Capillary Absorption (kg/m ² h ^{0.5})	W2	-
Adhesion after heat (N/mm ²)	≥ 1,0	-
Adhesion after freeze-thaw cycles (N/mm ²)	≥ 1,0	-

Concept	Value	Standard
Adhesion after immersion in water (N/mm ²)	≥ 1,0	-
Adhesion after open time 30 min (N/mm ²)	≥ 0,5	-
Mixing water (%)	24/26	-
Classification according to UNE EN 12004	C2TES1	-
Transverse strain (mm)	≥ 2,5	-
Bulk density (kg/L)v ~ Value	1,60 ± 0,05	-
Fresh mass density (kg/L) ~ Value	1,80 ± 0,05	-
Slipping (mm)	≤ 0,5	-
Grain size range (mm) ~ value	0/0,8	-
Water vapour permeability (m)	Clase I	-
Reaction to fire	A1	-
Joint filling (hours)	24	-
Traction resistance perpendicular of the faces (kPa)	350013	"350013
Hazardous substances	Ver HS	-
Parts setting time (min)	30	-
Mixture lifetime (min)	120	-

Scope

- Suitable for laying large format porcelain tiles on facades or swimming pool tiling.
- Suitable for laying on top of another tile.
- Suitable for underfloor heating according to UNE 13008 tiles < 90 cm.
- Laying of low-absorption ceramic tiles on walls and interior and exterior floors.

Advantages & Benefits

- Has the ability to re-form its shape.
- High mechanical performance.
- Long shelf-life, even after opening.
- Great plasticity.
- Allows for rectification of pieces.
- Without off-hook.

Descriptive Memory

- Ceramic tiles shall be laid with ARGOCOLA ELITE 500 deformable adhesive, made by the company Argos derived from cement, class C2FTE S1 according to the UNE EN 12004 standard. The fixing substrate shall be sound, clean, free of friable parts, completely hardened and shall have completed its time of dimensional variation. The joints shall be respected. Ceramic tiles shall be laid with spacers for tile-to-tile joints.

Support

- Suitable for underfloor heating according to UNE 138003.
- Mortar renderings.
- Low-porosity ceramic materials.
- Concrete floors.
- Cement-based substrates.
- Plasterboard partition walls.

Substrate preparation

- The substrate must be free of damp issues and must have completed its setting process.
- The substrates must be clean and sound, free of grease, paint or other substances that would prevent proper adhesion.

Instruction for Use

- Mix ARGOCOLA ELITE 500 with 7.0-7.25 L (28-29%) of clean water per 25 kg bag manually or mechanically until a homogeneous, creamy and lump-free mixture is obtained.
- Allow to stand for 5 minutes before application.
- Comb the adhesive onto the substrate with a 6×6 mm notched trowel for small formats or 8×8 mm for formats larger than 40×40 cm. The adhesive is spread out in layers of approx. 1 m² so that the time that elapses between the application of the adhesive on the substrate and the laying of the tiles does not cause the adhesive to lose sufficient wettability for proper adhesion.
- The tiles should be pressed until the grooves of the adhesive are flattened.

Warning

- Leave a grouting space between tiles appropriate to the size of the tile and the total surface area applied according to UNE 138003.
- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight.
- Do not apply in a thick layer without double gluing.
- Do not apply below 5°C or above 30°C.
- Do not apply to gypsum substrates without priming with DANOPRIMER® RPU.
- Do not apply to plastic, metal, wood, rubber, etc. surfaces.
- Comply with the construction joints.
- Before mechanical preparation, varnish residues, waxes, grease, oil and similar pollutants must be removed.

Handling, storage and preservation

- It is packaged in 25 kg multi-leaf paper bags with damp-proof sheets that allow it to be stored for 12 months in its original sealed packaging, safe from dampness.

Cleaning of Work Tools

- Fresh product, with water
- Dry product, scraping

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**

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