

AD 700

Two-component cement adhesive C2FTES2



Highly treated quick-setting hyperflexible adhesive for wall tiles and floor tiles, suitable mainly for the gluing on problematic bases, in internal and external environments.

DECLARATION:

Improved, quick-setting, highly deformable cement adhesive with reduced slip and extended withering time, type/class C2FTES2 according to EN 12004+A1.

APPLICATION:

For the gluing of all types of ceramic wall and floor tiles, particularly large-format tiles, in internal and external environments, including materials with an extremely low absorption capacity (such as highly vitrified floor tiles, group Bla, with water absorption under 0.5% (Kentaur, Taurus).

For the gluing of tiles from natural and resin-based **artificial stones**.

For the gluing on difficult to tile bases (old floor tiles, flexible panel-like bases, and the like).

Also for the gluing on bases where dimensional changes occur due to excessive thermal stress (such as heated ceramic floors, up to the maximum temperature of +70°C, or sunny sides of terraces).

Deflection (lateral deformation) ≥ 5 mm.

This adhesive is also suitable for tiles stressed by traversing of forklift trucks, cars, and the like, with a total weight of up to 3.5 t.

The adhesive is characterized with simple processing, extended withering time, high stability, rapid increase in strength, and high adhesion after 6 hours, frost resistance, and high flexibility.

COMPOSITION:

Component **A** – aggregates, a mixture of hydraulic binders, redispersible polymer and other additives improving processing and end-use properties of adhesive.

Component **B** – water-borne polymer dispersion.

TECHNICAL PARAMETERS:

MANDATORY			
Practical application:	indoor or outdoor installation of tiles on walls or floors		
Initial tensile adhesion strength max. after 6 hours	min. 0.5 MPa	Reaction to fire	Class A1/A1 _{fl}
High initial tensile adhesion strength	min. 1.0 MPa	Release of dangerous substances	see the Safety Data Sheet
		Slip	max. 0.5 mm
High tensile adhesion strength - after immersion in water - after heat ageing - after freeze-thaw cycle		Extended withering time (open time): - tensile adhesion strength min. after 30 min	min. 0.5 MPa
		Highly deformable adhesive - deflection (lateral deformation S2)	≥ 5 mm

INFORMATIVE		
Granularity of component A		0-0.7 mm
Amount of component B:	per 1 kg of dry mixture	0.25 l
	per 1 bag (20 kg)	5 l
Spreading capacity		approx. 1450 kg/m ³
Pot life		max. 30 min
Trafficability		After 4 hours

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TECHNICAL DATA SHEET

Approximate coverage:	small mosaic up to 50 mm	tooth height 3-4 mm	approx. 1.5-2.0 kg/m ²
	wall and floor tiles 100-250 mm	tooth height 6-8 mm	approx. 3.0-4.0 kg/m ²
	floor tiles above 300 mm	tooth height 8-12 mm	approx. 4.0-6.0 kg/m ²

NOTE: The technical parameters are determined under standard conditions (23 ± 2)°C and (50 ± 5)% relative air humidity.

BASE PREPARATION:

The base must be supportive, clean, mature, level, solid, free of dust, fat and other impurities, and it must not be frozen. In order to decrease the absorption capacity of the base, use the penetration coating **PE 201** or **PE 202** (for application, see the Technical Data Sheets of the relevant materials). Ceramic materials can be laid on the base treated in this way after 1 day.

Mixing procedure:

Mix both components in a ratio of 20 kg of component **A** and 5 l of component **B**. The material should be mixed for appr. 2–3 minutes to achieve a homogeneous mixture of creamy consistency. Leave the mixture for appr. 5 minutes, and stir-up again shortly.

PROCESSING:

Apply the adhesive on a base using the toothed smoother in such a way that the smoother forms an angle of 60–70° with the base. Mix/stir only the amount of material that you are able to apply on the surface **within 30 minutes** from mixing. The adhesive should not be left in a container for a longer time; otherwise it may harden.

The laying of tiles should be finished **within 30 minutes** after applying the adhesive on the surface. The temperature above 25°C shortens the pot life.

Trafficability and jointing is possible after 4 hours, and the full load is possible after 6 hours.

Cleaning: The fresh adhesive should be removed from the tiles before setting, using a foam rubber, and wash with clean water. The hardened adhesive should be mechanically removed. Thinner layers can be removed using the special cleaning agent **CL 802**.

CAUTION:

- The general rules specified in ČSN 73 3451 should be followed in designing and laying of ceramic tiles.
- Additional adding of binders, aggregates, and other additives, or screening of mixture, is inadmissible.
- The mixture can be processed only under the air and base temperature over +5°C (max. +25°C, higher temperatures shorten the open time)! The work cannot be done if frost is expected.
- Unused residues of the mixture should be left to harden - they can be disposed as of building wastes; contaminated containers should be disposed as of hazardous wastes (see the Safety Data Sheet).
- Disposal of Component A: Unused residues should be mixed with water and left to harden - they can be disposed as of building wastes; contaminated containers should be disposed as of hazardous wastes (see the Safety Data Sheet).
- Disposal of Component B: Unused residues of the mixture should be left on air to harden (dry), and disposed of in controlled landfill sites, together with contaminated packing (see the Safety Data Sheet).
- Only completely emptied and clean packaging may be handed over to recycling.

FIRST AID, SAFETY AND HYGIENE REGULATIONS: See the Product Safety Data Sheet.

STORAGE:

Component A: Store in original containers in a dry place - protected from damage, action of water, and high relative air humidity. If the storage conditions are met, the shelf life will be 12 months. The expiration date is specified on packaging.

Component B: Protect against frost and store at temperatures between +5 °C and +30°C. The minimum storage time is 12 months, if the product is stored in the originally closed buckets. The expiration date is specified on packaging.

SHIPPING:

Component A: The dry mixture is delivered in paper bags (25 kg) on pallets covered with foil.

Component B: The dispersion is available in plastic, 5-litre containers.

QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- In production, the product control system and certified quality management system are applied according to ISO 9001.
- Continuous surveillance and proving the product conformity (if necessary) is ensured by TZÚS Praha, OS 1020.

DISTRIBUTOR: LASSELSBERGER, s.r.o., Adolova 2549/1, 320 00 Plzeň – Jižní Předměstí, Czech Republic

VALIDITY: Since 1 November 2016

We reserve the right to make any changes that are results of technical progress. This issue cancels and supersedes all previous issues.