


AD 700

C2FTES2 two-component cement adhesive

	<p>Highly treated, fast-setting, hyper-flexible adhesive for wall and floor tiles, particularly suitable for the gluing on difficult to tile bases in internal and external environments.</p> <p>DECLARATION: Improved, fast-setting, highly deformable cement adhesive with reduced slip and extended withering time, type/class C2FTES2 according to EN 12004+A1.</p>
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APPLICATION:

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

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

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

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

Deflection (transverse deformation) ≥ 5 mm.

This product is also suitable for the gluing of tiles under load of forklift and passenger cars, etc., with a total weight not exceeding 3.5 t).

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

COMPOSITION:

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

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

TECHNICAL PARAMETERS:

MANDATORY			
Use in practice:	Internal and external installation of tiles on the wall or on the floor		
Initial tensile adhesion strength max. after 6 hours	min. 0.5 MPa	Reaction to fire	Class A1/A1 _{fl}
High initial tensile adhesion	min. 1.0 MPa	Release of dangerous substances	See the Safety Data Sheet
High tensile adhesion: - after water contact - after heat ageing - after freeze/thaw cycles		Slip	max. 0.5 mm
		Extended withering time (open time): - tensile adhesion strength min. after 30 minutes	min. 0.5 MPa
		Highly deformable adhesive: - deflection (transverse deformation S2)	≥ 5 mm

INFORMATIVE		
Grain size of component A		0-0.7 mm
Amount of component B	per 1 bag (20 kg)	5 l
Spreading rate		approx. 1450 kg/m ³
Pot life		max. 30 min
Final walking surface		after 4 hours

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TECHNICKÝ LIST /

Approximate coverage:	small mosaic up to 50 mm	tooth height of 3-4 mm	approx. 1.5-2.0 kg/m ²
	wall and floor tiles 100-250 mm	tooth height of 6-8 mm	approx. 3.0-4.0 kg/m ²
	floor tiles over 300 mm	tooth height of 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)% of relative air humidity.

BASE PREPARATION:

The base must be load-bearing, clean, mature, even, solid, free of dust, grease and other impurities, and should not be frozen. In order to reduce the suction capacity of the base, use **PE 201** or **PE 202** penetration coatings (for instructions for use, refer to the Technical Data Sheet of the used materials). Ceramic tiles can be laid on the bases prepared in this manner after 1 day.

Mixing procedure:

Mix both components in the ratio of 20 kg of component **A** per 5 l of component **B**. Stir the mixture for approx. 2-3 minutes to create a homogeneous, creamy material. Allow the mixture to stand for approx. 5 minutes, then mix it again shortly.

PROCESSING:

The adhesive is applied on the base using the toothed trowel so that the smoother forms an angle of 60-70° with the base. Mix only such an amount of mixture which you will be able to apply on the base **within 30 minutes** of mixing. The adhesive must not stay in the container for a longer time than indicated, as it may harden.

Lay the tiles so that the laying is completed **within 30 minutes** after applying the adhesive on the base. The pot life is shortened if the temperature is increased above 25°C.

Fast final walking surface and tile grouting are feasible after 4 hours, and the surface may be fully loaded after 6 hours.

Cleaning:

Using a foam trowel, wipe the fresh adhesive off the tiled surface before it hardens, then wash the surface with clean water. Remove the hardened adhesive mechanically. Smaller residues of adhesive can be removed using the **CL 802** special cleaning agent.

CAUTION:

- The general rules specified in ČSN 73 3451 should be followed when designing and laying of ceramic tiles.
- It is inadmissible to add additional binders, aggregates, and other additives. Sifting of the mixture is inadmissible too.
- The mixture can be processed only under the air and base temperature over +5 (max. +25°C - higher temperatures shorten the open time)! The work cannot be done if frost is expected.
- Leave the unused residues of mixture to harden – they can be disposed of as construction 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 allow them to harden – they can be disposed of as construction wastes; contaminated containers should be disposed as of hazardous wastes (see the Safety Data Sheet).
- Disposal of component B: Leave the unused residues to air harden (dry), and dispose of them, together with contaminated containers, in a controlled landfill (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: It should be stored in original containers – 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 the packaging.

Component B : Store the product protected from frost at a temperature ranging from +5°C to +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 the packaging.

SHIPPING:

Component A: The dry mixture is supplied in 20 kg paper bags placed on pallets wrapped in foils.

Component B : The dispersion is supplied in 5 l plastic containers.

QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- The production control system is used in manufacture, and a certified quality management system, according to ISO 9001, is applied.
- Continuous surveillance and proving the conformity of products (if necessary) is ensured by TZUS Prague, OS 1020.

DISTRIBUTOR:

LASSELSBERGER, s.r.o., Adelova 2549/1, 320 00 Pilsen – Jižní Předměstí

VALIDITY:

Since 1 January 2017

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

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