


AD 580

C1FT cement adhesive

	<p>Fast-setting, highly modified adhesive for the gluing of all types of wall and floor tiles in internal environments.</p> <p>DECLARATION: Fast-setting cement adhesive with reduced slip, type/class C1FT according to EN 12004+A1.</p>
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APPLICATION:

For the gluing of all ceramic wall and floor tiles with low, medium, and high water absorption (group Alla, Allb, Alll, Blb, Blla, Bllb, and Blll) in internal environments.

Fast final walking surface – suitable for the gluing under operation (stairs, corridors, etc.).

If the floor tiles are glued, this adhesive is intended only for areas under load by movement of persons.

The adhesive is characterised by simple processing, reduced slip, rapid strength increase, high adhesion after 6 hours, frost resistance, and high stability.

COMPOSITION:

Aggregates, cement, redispersible polymer, and other additives improving processing and end-use properties of the adhesive.

TECHNICAL PARAMETERS:

MANDATORY			
Use in practice:	Internal 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 _n
Initial tensile adhesion strength		Release of dangerous substances	See the Safety Data Sheet
Tensile adhesion strength: - after water contact - after heat ageing - after freeze/thaw cycles		Slip	max. 0.5 mm
		Withering time (open time): - tensile adhesion strength min. after 10 minutes	min. 0.5 MPa

INFORMATIVE			
Grain size			0-0.7 mm
Amount of mixing water *):	per 1 kg of dry mixture	0.22-0.24 l/kg	
	per 1 bag (25 kg)	5.5-6 l	
Spreading rate			approx. 1300 kg/m ³
Pot life			max. 15 min
Final walking surface			after 4 hours
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.

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TECHNICKÝ LIST /

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 and improve adhesion, use **PE 201** or **PE 202** penetration coatings or **PE 204** contact bridge (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.

PROCESSING:

Pour the dry mixture evenly into the prescribed amount of water, and mix thoroughly (appr. 2-3 minutes) with a high-speed stirrer to produce a smooth, uniform mass, then apply the entire volume 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 15 minutes** after adding water. 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 10 minutes** after applying the adhesive on the base. The mass must not be processed in environments, where the temperature exceeds +25°C.

Fast final walking surface and tile grouting are feasible after 4 hours. The surface may be fully loaded after 24 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.
- The mixture can be mixed only with drinking water, or water conforming to standard EN 1008.
- 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.
- 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).
- 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:

The product 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 6 months. The expiration date is specified on the packaging.

SHIPPING:

The dry mixture is supplied in 25 kg paper bags placed on pallets wrapped in foils.

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 TZÚS Prague, OS 1020.

DISTRIBUTOR:

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

VALIDITY:

Since 1 March 2015

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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