

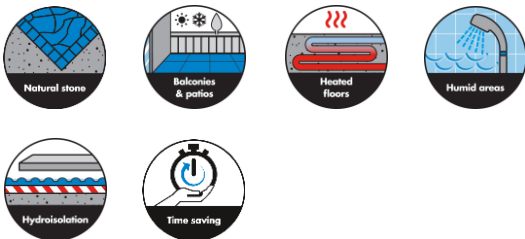
CM 42 EXPRESS

»NATURAL STONE –TRASS EXPRESS«

Flexible, fast-setting, white cement-based mortar for natural stone

CHARACTERISTICS

- ▶ Especially designed for natural and artificial stone
- ▶ Reduces the risk of efflorescence and staining
- ▶ No showing-through of the bedding mortar
- ▶ Fast setting to ensure rapid progress on site
- ▶ For layers up to 10 mm thickness

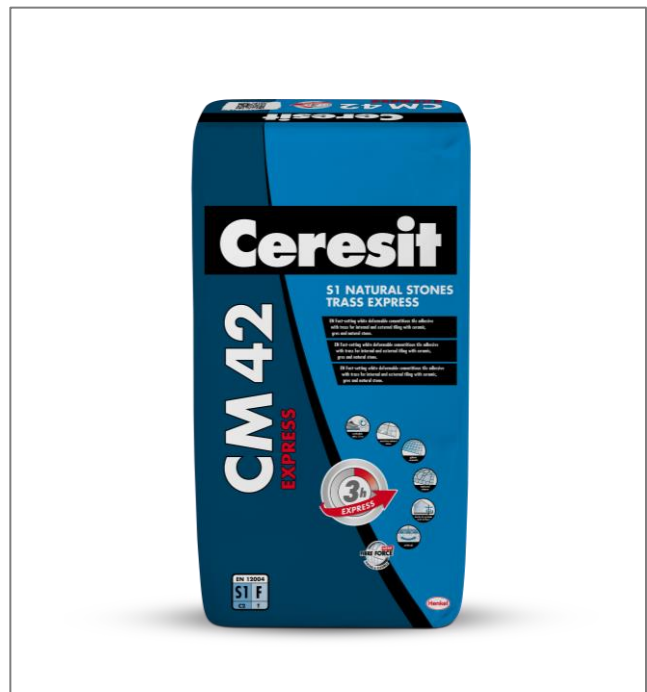


SCOPE OF USE

Deformable thin- and medium-bed mortar based on white cement, with trass additive. CM 42 EXPRESS meets higher requirements as to slip resistance and fast setting. It is used for installing wall and floor coverings made of natural or artificial stone as well as ceramic tiles or slabs both indoors and outdoors. CM42 produces a flexible adhesive bed and prevents shear stresses on difficult substrates. Suitable for repairs before installing tiles and for levelling unevenness of up to 10 mm. For grouting natural and artificial stone, we recommend using CERESIT CE 42 Natural Stone. For permanently elastic joints we recommend using CERESIT CS 42 Natural Stone Silicone.

SUBSTRATE PREPARATION

CM 42 EXPRESS adheres to all solid, load-bearing, clean and dry substrates free of substances that may impair adhesion. Coatings of insufficient load-



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bearing strength must be removed. For levelling and raising the level of cementitious floors we recommend using CERESIT CN 39 Levelling Mortar Fast or CERESIT CN 72 Floor Leveller. Highly absorbent substrates must be primed with CERESIT CT 17. When installing tiles on existing ceramic or natural stone floors, we recommend a full-surface coat of CERESIT CT 19 SuperGrip.

Indoor use:

Use CT 17, CN 94 or CT 19 for priming calcium sulfate screeds (mechanically roughen gypsum/anhydrite screeds and free them from dust, residual moisture ≤ 0.5 CM%, heated screeds ≤ 0.3 CM%), lightweight/aerated concrete, gypsum boards and gypsum plasters (residual moisture ≤ 1 CM%),



Henkel AG & Co. KGaA Deutschland
Henkelstraße 67 · 40191 Düsseldorf
Internet: www.ceresit.com
E-mail: ceresit.com@henkel.com

plasterboards and fibrous plasterboards, chipboards (thickness 25 mm) as well as all highly absorbent substrates.

When installing natural stone and ceramic coverings on calcium sulfate screeds, make sure to prime the screed with CN 94 (mixing ratio CN 94 : water= 1:3). Non-absorbent substrates, tiles, natural/artificial stone floors and firmly adhering coatings must be primed with CT 19 SuperGrip. For detailed instructions on how to use CERESIT primers please refer to the corresponding Technical Data Sheets. Use CT 19 to prime extruded polystyrene boards (surface roughened and freed from dust), tile support elements, tile coverings, natural/artificial stone floors, firmly adhering coatings, mastic asphalt (GE 10/GE15, roughened with sand). Thoroughly grind down paint coats (firmly adhering and not chalking), free them from dust and prime them with CT 17 or CN 94.

Indoor and outdoor use:

Plasters of mortar groups P II / P III (at least 28 days old), cement screeds (at least 28 days old, residual moisture < 2.5 CM%, heated screeds < 1.8 CM%) and concrete (at least 3 months old) can be covered directly with tiles. Before installing tiles, concrete surfaces must be mechanically cleaned and prepared.

APPLICATION

Mix CERESIT CM 42 EXPRESS with the predefined amount of clean water (see Technical Data) until the mixture is smooth and free of lumps. No maturing time required. Use a trowel with a suitable notch size. Natural/artificial stone slabs or ceramic tiles must be installed within the open time of the mortar (see Technical Data); otherwise, the required effort will be too high. For large tiles/slabs and outdoor areas we recommend using the floating-buttering method. Fresh mortar stains can be removed with water; hardened residues can only be removed mechanically.

PLEASE NOTE

- ▶ Natural stone tends to stain regardless of the adhesive mortar used. Thin, large-format natural stone slabs may tend to curl when exposed to moisture on one side. When installing such difficult materials, we recommend using CERESIT CM 77 and CERESIT CE 79. Please note the information given in the current Technical Data Sheet and in the Declaration of Performance.
- ▶ Installation work should be carried out in dry conditions at air and substrate temperatures of +5 °C to +25 °C. We do not accept any liability for faulty workmanship and its consequences.
- ▶ Shelf life approx. 9 months from the date of manufacture if stored in the original, tightly closed bag in a cool and dry place.
- ▶ Only return the completely emptied packaging for recycling. Dispose of hardened product

residues as household-type industrial waste or construction site waste. Unhardened product residues must be taken to a collection point for hazardous waste. Additional information for Austria: waste according to ÖNORM S 2100, waste code 91206. European Waste Code Number (EWC): 17 01 06.

OTHER INFORMATION

Should you need support or advice, please consult our advisory service for architects and craftsmen on the

contact information you will find on **the local Ceresit website**.

Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The aforementioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23° C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed and that the product itself is subject to local conditions such as amount of water and hardening. A product from another production site may differ.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.



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TECHNICAL DATA

Chemical base:	Cement with mineral fillers and modified additives
Bulk density:	approx. 1.2 kg/dm ³ powder
Mixing ratio:	approx. 6.5-9 l of water / 25 kg (non-sag to slurry-like consistency)
Maturing time:	none
Working time (pot life):	approx. 40 min
Walkable (groutable):	after approx. 3 hrs
Application temperature:	+ 5 °C to +30 °C
Temperature resistance:	-30 °C to +70 °C
Layer thickness:	max. 10 mm
Consumption depending on the notch size:	
6x6x6 mm	approx. 1.8 kg/m ³
8x8x8 mm	approx. 2.2 kg/m ³
10x10x10 mm	approx. 2.9 kg/m ³
Packaging:	25 kg bag

 0432 Henkel AG & Co, KGaA Henkelstr. 67, D-40589 Düsseldorf 16 01287 EN 12004:2007 + A1:2012 C2-TE-S1 Fast-setting, deformable cementitious mortar for increased requirements, featuring higher slip resistance	Reaction to fire	E
	Release of dangerous substances	see MSDS
	Bond strength, as:	
	Initial tensile adhesion strength	≥ 1.0 N/mm²
	Durability, for:	
	Tensile adhesion strength after water immersion	≥ 1.0 N/mm²
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm²	
Tensile adhesion strength after Freeze-thaw cycles	≥ 1.0 N/mm²	
Open time: tensile adhesion strength after no less than 20 min	≥ 0.5 N/mm²	
Slip	≤ 0.5 mm	
Deformability	≥ 2.5 mm and ≤ 0.5 mm	



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