

CM 9



»STANDARD«

Standard adhesive for indoor ceramic tiles

Thin bed adhesive for ceramic plating

CHARACTERISTICS

- ▶ For thickness between 5 and 10 mm
- ▶ For absorbent ceramic tiles
- ▶ Economical
- ▶ For ceramic tiles (max. 30x30cm) or terracotta cladding



SCOPE OF USE

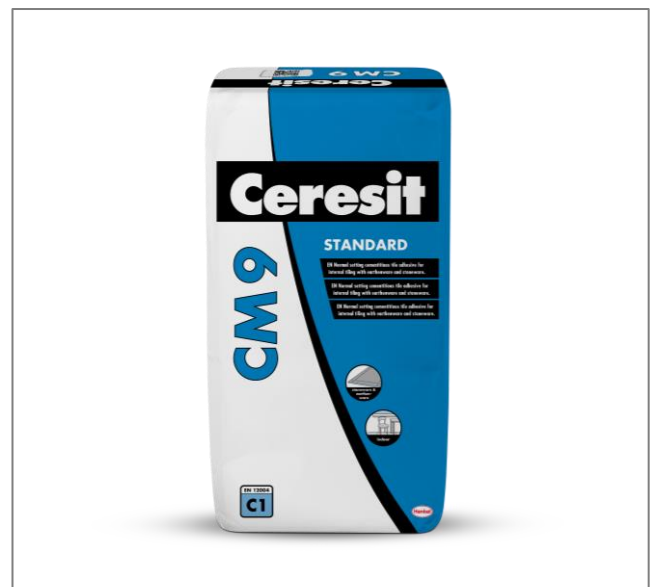
- ▶ For ceramic or natural stone, terracotta cladding.
- ▶ For binding absorbent ceramic tiles, degrees BIIa, BIIb, BIII, indoors, on any substrates using cement as binder.

By adding the additive Ceresit CC 83 a flexible, highly adhesive mortar is obtained. Adding Ceresit CC 83 additive is required in the case of ceramic cladding on the following supports:

- ▶ Older ceramic claddings;
- ▶ Paints;
- ▶ Light construction panels - plaster - cardboard;
- ▶ Polished mosaics;
- ▶ Dry screeds;
- ▶ Plaster tiles;
- ▶ Nonabsorbent ceramic tiles.
- ▶ In case of plating with nonabsorbent porcelain-surfaced ceramic tiles the additive Ceresit CC 83 shall be added or a flexible adhesive shall be used (Ceresit CM 11 PLUS, Ceresit CM 12 PLUS or Ceresit CM 16).

SUBSTRATE PREPARATION

Ceresit CM 9 adheres to all resistant, clean, dry surfaces, free of anti-adherent substances (fats, bitumen, dust). The layers with a poor mechanical strength shall be removed. The irregularities down to



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1 cm depth may be repaired by means of Ceresit CM 9 the day before the cladding operation.

Priming the substrate is necessary for:

- ▶ Cement plaster, lime (minimum age 28 days);
- ▶ Cement screeds (min age 28 days, humidity ≤ 2%);
- ▶ Concrete (minimum age 6 months);
- ▶ Cell concrete (B.C.A.);
- ▶ Plaster tiles (humidity ≤ 2%).

The drying time of the priming is maximum 4 hours.

The priming is not necessary for:

- ▶ Plaster boards (when adding Ceresit CC 83);
- ▶ Older ceramic claddings (when adding Ceresit CC 83);
- ▶ Older claddings with natural stone.

APPLICATION

The content of the packaging shall be poured in the measured quantity of clean, cold water or in the Ceresit CC 83 emulsion diluted in water (2 parts Ceresit CC 83 emulsion/ 1 part water) and shall be



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mixed by means of an electrical mixer until a uniform mass, free of lumps, is obtained. After a 5 minute waiting time the stirring shall be resumed and the material consistency may be adjusted by adding water. The adhesive shall be spread on the substrate by means of a serrated trowel. The size of these teeth shall be selected depending on the tile size. If both the trowel teeth size and the adhesive consistency were correctly selected, the ceramic tile pressed against the adhesive should not move from the vertical surface and the adhesive should cover at least 65% of the tile soffit. The tiles shall not be soaked in water. They shall be laid on the adhesive within the specified time (15-20 min). The tiles shall not be laid tightly. The joint between them shall be 2 - 15 mm, depending on the tile size and the operational conditions. The joints shall be grouted after at least 24 hours, using Ceresit grouts. Fresh plaster in excess shall be washed off with water, and the hardened one by mechanical means.

PLEASE NOTE

- ▶ The works shall be executed in dry conditions, with the air and substrate temperatures between +5°C and +30°C. All data and information presented herein are related to a +23°C temperature and a 50% relative humidity. In other parameter conditions some changes may occur with respect to the binding period.
- ▶ Ceresit CM 9 contains cement and after mixing with water an alkaline reaction occurs. For this reason, it is recommended to avoid skin and eyes contact. In case of accidental contact with eyes, rinse with plenty of water and seek medical advice. Other Ceresit adhesives shall be used for laying tiles in areas with chemical stress. The Chromium VI content is below 2ppm during the validity period.

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 afore mentioned 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.

TECHNICAL DATA

Base:	mineral agents	Combination of cement with compounds and modifying agents
Bulk density:		1.44 kg/dm ³
Mixing ratio:		approx. 6 l water (4 kg CC 83 +2.0 l) water per 25 kg
Application time:		Up to 3 hours (minimum 90 Minutes)
Application temperature:		from +5°C up to +30°C.
Open time:		≤ 20 min.
Curing time:		5 min.
Slipping:		≤ 0.5 mm
Jointing:		After 24 hours
Resistance to temperature:		from -30°C up to +70°C.
Adjustability time:		20 min.
Adherence in dry conditions:		≥ 0.7 N/mm ²
Adhesion in humid conditions:		≥ 0.5 N/mm ²
Adhesion after curing under the influence of heat:		≥ 0.5 N/mm ²
Adhesion after freeze-thaw cycles:		≥ 0.5 N/mm ²



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Technical data when using CC 83:

Mixing ratios: 4 kg CC 83 + approx. 2.1 l water for 25 kg.

Application time:	Approx. 90 minutes
Open time:	Approx. 20 minutes
Slipping:	≤ 0.5 mm
Jointing:	After 72 hours
Adhesion in any conditions after 28 days:	≥ 1.0 N/mm ²
Storage	12 months in dry areas

Estimated consumption:

Tile/Trowel teeth size (mm)	Consumption CM 9 [kg/m ²]	Consumption CC 83 [kg/m ²]
15 x 15/6	2.1	0.43
20 x 20 /8	3	0.53
30 x 30/10	4.3	0.65
≥ 30 x 30/15	6	-

 1803 HENKEL ROMANIA S.R.L., 1-7 Ioni Vornicul St., District 2, 020325, Bucharest, Romania 7 00001 EN 12004:2007+A1:2012 Adhesives based on mineral binders, low slipping, for indoor applications.	Reaction to fire	Class A1
	Release of dangerous substances	see MSDS
	Bond strength, as:	
	Initial tensile adhesion strength	≥ 0.5 N/mm ²
	Durability, for:	
	Tensile adhesion strength after water immersion	≥ 0.5 N/mm ²
Tensile adhesion strength after heat ageing	≥ 0.5 N/mm ²	
Tensile adhesion strength after Freeze-thaw cycles	≥ 0.5 N/mm ²	
Open time: tensile adhesion strength after no less than 20 min	≥ 0.5 N/mm ²	
Slip	≤ 0.5 mm	



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