

جرمنا

GERMA

لاصق

FOR
CERAMIC
TILES

C1



مطابق للمواصفات القياسية الأوروبية
UNE EN 12004

20kg
صنع في ليبيا

Germa C1

Enhanced tile adhesive for medium/high absorption.



DESCRIPTION

Germa C1 is an Enhanced cement-based tile adhesive (C1), formulated with white cement, selected aggregates, special additives, and synthetic resins to improve workability, water retentivity, open time, and adhesion. No vertical slip. Allows adjustment of tiles.

USE

Laying of ceramic tiles of medium/high absorption in interior walls and interior and exterior floors.

SUBSTRATE PREPARATION

Cement-based substrates, cement-based renders/plasters, and screeds. Concrete floors. Substrates must be clean, compact, and free of substances that reduce adhesion such as dust, oil, and grease, and with no loose material. Uneven areas must be corrected with suitable smoothing and finishing products. Substrates must be free from any rising dampness and have already completed the curing period of hygrometric shrinkage. Dampen substrates with water to cool down if they should be too warm, in case of wind or over absorbent substrates, and wait until the thin layer of water disappears. Do not use on gypsum-based plasters or paint.

INSTRUCTIONS FOR USE

Mix manually or mechanically using clean water until a homogeneous, creamy, and lump-free paste is obtained and non-sag consistency is reached. Let the mix stand for 5 minutes before application.

Small tiles must be fixed using a notched trowel of 6x6 mm. For tiles sizes greater than 400cm², a notched trowel 8x8 mm must be used. Spread the mixed product onto the substrate to a maximum surface area of 1m² or no more than can be tiled within 20/30 minutes in normal conditions.

Unfavorable environmental conditions (strong sunlight, drying wind, high temperature as well as a highly absorbent substrate), could drastically reduce this time to a few minutes. Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action, to ensure good contact and complete coverage.

It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved. The back of the tile must be completely wet. To guarantee maximum adhesion it is necessary to apply a sufficient layer of adhesive, on the back surface of the tile.

Coverage depends upon the substrate conditions, the notched trowel used, and the method by which the adhesive is applied.

CAUTION AND RECOMMENDATIONS

On gypsum substrates, apply a primer before, to avoid contact between gypsum and the cement of the adhesive, avoiding adverse reactions.

Abide by any standards and national regulations

Do not apply on plastic, metal, or wood.

Do not apply below 5°C or above 30°C.

Do not apply when there is a risk of frost, rain, strong wind, or direct sunlight.

Do not use the adhesive to correct surface irregularities greater than 15 mm

Use the right size of toothed trowel for the format of the tile or slab

Guarantee a full bed in all external laying operations

Leave joints between tiles with a minimum width of 2 mm.

On floors with a surface area greater than 30 m², it is recommended to leave separation or sealing joints filled with a deformable material.

On interior floorings larger than 15 m², it is advisable to keep a free perimeter expansion joint between the floor and the wall or pillar, hidden by a skirting board (of approximately 5 mm).

If necessary, ask for the safety data sheet



NOTE

Product for professional use.

The above guidelines and information are accurate to the best of our knowledge and are offered in good faith. This information is true and accurate, but as conditions of use and any labor involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. The end user should ensure that he has our latest literature, a copy of which will be sent upon request.

STORAGE

1 year in sealed original packaging, sheltered from weather conditions and humidity.

PRESENTATION

Plastificated paper sack of 20kg Pallets of 1,400kg (72sacks)

TECHNICAL DATA

PROPERTIES OF MIXTURE AND APPLICATION DATA

APPEARANCE	POWDER
COLOUR	OFF-WHITE
DENSITY OF THE MIX	1400Kg/m ³
GRADING	0-600µm
POT LIFE	2H
ADJUSTABILITY TIME	≥ 20MIN
GROUTING	≈ 24H

FINAL PERFORMANCE

TYPE ACCORDING EN12004-1: C1

INITIAL TENSILE ADHESION STRENGTH	≥ 0,5 N/mm ²
TENSILE ADHESION STRENGTH AFTER WATER	≥ 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
EXTENDED OPEN TIME	NPD
SLIP	NPD
REACTION TO FIRE	CLASS E

THE NOTCHED TOWELL TABLE AND SPREADING TECHNIQUE

TILE FORMAT	NOTCHED TROWEL	BONDING
$\geq 100 \text{ cm}^2$	U4	Simple
$\geq 450 \text{ cm}^2$	U6	Simple
$\geq 900 \text{ cm}^2$	U6 / U9 or U10	Double - Simple
$> 900 \text{ cm}^2$	U9 or U10	Double



TIKA CONSTRUCTION CHEMICALS L.L.C
Hawari Rd. Benghazi Libya



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0370

EN 12004:2007+A1:2012

Germa 02

Germa C1 لاصق

Enhanced tile adhesive for medium/high absorption.

Tensile adhesion strength:

Initial tensile adhesion strength: $\geq 0,5 \text{ N/mm}^2$

Durability: Tensile adhesion strength after water: $\geq 0,5 \text{ N/mm}^2$

Tensile adhesion strength after heat ageing: $\geq 0,5 \text{ N/mm}^2$

Tensile adhesion strength after freeze-thaw cycles: $\geq 0,5 \text{ N/mm}^2$

Reaction to fire: Class E

Hazardous substances: See SDS