



F.19 Rapid

Quick-drying single-component improved cement-based adhesive with no vertical slip, for gluing non-absorbent and absorbent ceramic tiles and moisture-insensitive natural stone, to floors and walls. Suitable for laying cladding materials when the floor or wall must be used after a short time and for quick repairs to the floors or walls of bathrooms, showers, kitchens, terraces and balconies.

For floors and walls.

For indoor and outdoor use.

PROFESSIONAL USE ONLY



For laying:

- Ceramic tiles of all types and sizes, including split tiles, vitrified stoneware, vitreous mosaic, cotto and tiles in general on indoor and outdoor floors and walls;
- Natural stone materials, so long as they are dimensionally stable in the presence of moisture;
- Laying composite stone materials, so long as they are dimensionally stable in the presence of moisture.

Suitable substrates:

- Cement-based screeds and plasters.
- Cellular concrete.
- Brick, or natural stone walls.
- Cured concrete floor slabs.
- Precast concrete panels.
- Cement-based self-levelling screeds.
- Screeds embedding floor-heating systems.
- Old floors in glazed ceramic tiles, vitrified stoneware tiles, bricks, marble and natural stones.
- Substrates in plywood (WBP or Marine Grade, minimum thickness 15 mm) rigidly fixed to floors (with screws in all directions at 300 mm maximum distance away from each other).
- Insulating panels made of cork, polyurethane foam, polystyrene foam, rock mineral wool, glass mineral wool and fiber cement, so long as they are rigidly fixed.
- Plasterboard, also waterproofed (so long as it is free from dust).
- Gypsum, scagliola or anhydrite substrates after application of F.28/G APPRETTO.
- Anhydrite screeds after sanding and application of F.28/G APPRETTO.
- Cement-based and acrylic waterproofing mortar such as F.72 ELASTOMALTA A+B, MONO or F.26 ELASTOGUAINA.
- Substrates made of PVC, linoleum, with residue adhesive for resilient flooring so long as it adheres well, epoxy coatings and parquet (roughened), cold asphalt and bituminous sheaths, after application of HPS 673 - HAFTPRIMER S by roller.

SUITABLE APPLICATIONS

UNSUITABLE APPLICATIONS

Do not use in the following cases:

- for laying natural or composite stone materials liable to shift owing to humidity;
- for gluing polystyrene foam insulating panels with non-stick surface film (must be sanded beforehand);
- on metal surfaces (use F.50 POLICOL);
- on walls or floors subject to strong movements or vibrations (use F.55 CERMONO RAPIDO);
- on uncured substrates or ones subject to considerable shrinkage (allow to cure for the required time);
- on substrates raised on joists.



SUBSTRATE

The substrate must be flat, sound, solid, dry, stable (it must already have been subjected to the shrinkage that occurs during the curing period) and free from dust, crumbling parts, oil, grease, form dismantling substances, wax, paint and anything else that could impair the bond. Slightly wet the surface in hot weather.

Clean with F.80 SGRASSANTE in the case of over-tiling on already existing floors. Gypsum-based substrates must be completely dry (max. humidity 0.5%), cured and previously treated with F.28/G APPRETTO. Cracks or slits must be sealed with F.76 M.E.C., F.48 POXYCEM or F.49 POXYRAPID (two-component structural adhesives).

PREPARATION OF THE MIXTURE

Mix with clean water. Slowly add the powder to the water. Stir with a blender fitted with a stirrer (F.97) and use low speed until the mixture is homogeneous and lump-free. Allow the mixture to stand for 5 minutes, then briefly stir again.

APPLICATION

Apply the adhesive with the special serrated trowel (F.91/2 or F.91/4). To fix tiles on outdoor surfaces, apply a coat of adhesive with the smooth part of the trowel to both the surface and the back of the tiles (double coating) so as to prevent dangerous cavities from forming between the tile and adhesive mortar. Make sure that a dry film does not form (skin) when applying the adhesive: if this happens, work the adhesive again with the trowel so as to break up the surface film.

WARNINGS

Remove any dust from the backs of the tiles or stone materials.

Lay the tiles or stone material by exercising adequate pressure: systematically check to make sure that adhesive is applied to at least 70-80% of the rear tile surface. Protect the tiled surfaces from the rain or washing for at least 12 hours and from direct sunshine or freezing temperatures for at least one week.

COVERAGE

Serrated trowel (mm)	6x6	8x8	10x10
Kg/m ²	3	4	5

GROUTING AND SEALING JOINTS

After 3/4 hours for floors and 2/3 hours for walls. The joints must be grouted with CERCOL cement-based or epoxy sealants, which are available in various different colours.

Separation joints can be sealed with CERCOL's purpose-made silicone-based and epoxy-polyurethane sealants.

CLEANING

Wash the hands and tools with water before the product sets. After this use F.80 CERNET (buffered acid detergent), either undiluted or diluted with water, or scrape off.

PACKAGING

20 kg bags on pallets.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

F.19 RAPID contains cement, which produces an irritating alkaline reaction upon contact with perspiration or other body fluids. Wear protective gloves and goggles. Consult the latest version of the Safety Data Sheet for further and more complete information concerning safe use of the product.

TECHNICAL DATA

Classification according to EN 12004 (ISO 13007-1)	C2 FT
Appearance	Pre-mixed grey product
Hazard classification (directive 1999/45/CE)	Irritant Read the "Safety instructions for preparation and application", the information on the package and in the Safety Brief before use.
Mixing ratio	24%
Volumic mass of mix (Kg/m ³)	1550
Application temperature range	from +5°C to + 35°C
Vertical slip	≤ 0,5 mm EN 1308
*Open time	10 minutes EN 1346
*Pot-life of mixture	≥ 30 minutes
*Lightly treadable	3/4 hours
*Grouting	after 3/4 hours for floors - 2/3 hours for walls
*Ready for use	12 hours
Temperature resistance	from -30°C to +90°C
Storage time	12 months in original packaging in a dry place
PRODUCT CONFORMS TO THE SPECIFICATIONS ESTABLISHED BY REG. (EC) No. 1907/2006 (REACH) – Annex XVII, Item 47	

*Data obtained at +23°C and 50% R.H.

FINAL PERFORMANCE

Initial bond after 6 h	≥ 0,5 N/mm ²	EN 1348
Initial bond after 28 days	≥ 1,0 N/mm ²	EN 1348
Bond after the action of heat	≥ 1,0 N/mm ²	EN 1348
Bond after immersion in water	≥ 1,0 N/mm ²	EN 1348
Bond after freezing-thawing cycles	≥ 1,0 N/mm ²	EN 1348

LEED® SCORE - GBC ITALIA

LEED® Contribution in Points*	Punti LEED®
MR Credit 5 – Regional Materials	up to 2
QI Credit 5 – Materials with low emissions	up to 1

* LEED is a measurement system for environmental performance intended for commercial, institutional and residential buildings, based on environmental and energy standards, commonly recognized and accepted by the international scientific community. To conform to LEED's evaluation system of building sustainability is a voluntary choice made by a company. The reference to calculate the score is given by the requirements contained in the LEED Italia Manual "Nuove Costruzioni e Ristrutturazioni" ("New Buildings and Reconstructions") - Ed. 2011 - © 2010, Green Building Council Italia, U.S. Green Building Council, all rights reserved.

SPECIFICATION

Laying of floor and wall coverings in ceramic and stone material on cement-based substrates or on rigidly fixed plywood must be performed using quick-drying, single-component cement-based adhesive with no vertical creep in class C2 FT, in accordance with standard EN 12004 and F.19 RAPID manufactured by CERCOL S.p.A.

This technical data sheet is based on the knowledge acquired from our experience. We reserve the right to modify the data contained herein as a result of improvements and technical progress. Considering the different materials and diverse working techniques, which are outside of our control, we cannot accept any responsibility for the use of these instructions. We therefore recommend undertaking sufficient test applications and consulting our Technical Assistance service.

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