

F.19 Extra Grigio F.20 Extra Bianco

Single-component quartz adhesives with mixed binders with extended open time, based on selected PTL 52,5R cements and special additives. No vertical slip.

Obtainable thickness: 15 mm.

For floors and walls, indoors and outdoors.

PROFESSIONAL USE.



SUITABLE APPLICATIONS

For the laying of:

- double-fired ceramic tiles;
- single-fired ceramic tiles;
- cotto;
- mosaics and porcelain;
- tiles on existing flooring for residential use;
- klinker.

Suitable substrates:

- cement-based screeds and plasters and cured concrete slabs;
- cellular concrete;
- old existing indoor floors;
- plasterboard, primed or with waterproofing treatment;
- self-levelling cement-based screeds;
- anhydrite screeds previously sanded and treated with F.28/G APPRETTO;
- gypsum and scagliola, previously treated with F.28/G APPRETTO;
- waterproofing cement-based and acrylic mortars such as F.72 ELASTOMALTA or F.26 ELASTOGUAINA;
- wherever a system with special properties of flexibility is required, mix with F70 CERLATEX diluted 1:1 with water.

UNSUITABLE APPLICATIONS

Do not use in the following cases:

- on precast or cast concrete walls (mix with F. 70 CERLATEX diluted 1:1 with water);
- on old existing flooring in marble, marble-chip floor tiles, porcelain, glazed ceramics outdoors (mix with F.70 CERLATEX diluted 1:1 with water);
- on metal, linoleum, PVC, rubber surfaces and similar;
- on wood, blockboard, plywood or derivatives, or panels subject to strong movements;
- wherever the thickness required is higher than the mentioned one;
- in basins and swimming pools (mix with F. 70 CERLATEX diluted 1:1 with water).

SUBSTRATES

The substrate must be flat, sound, solid, dry, stable (shrinkage from aging completed) and free from dust, crumbly parts, oils, grease, form release agents, waxes, varnishes and anything else which could effect good adhesion.

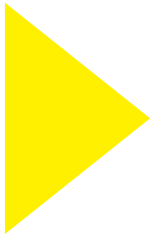
If laying in high temperatures, lightly wet the substrate. If laying over old existing flooring, clean with a solution of water and caustic soda at 10%, or alternatively use F.80 SGRASSANTE.

Gypsum-based substrates must be completely dry (max. residual moisture 0.5%), cured and previously treated with F.28/G APPRETTO.

Any cracks must be sealed with F.76 M.E.C. or with F.48 POXYCEM or F.49 POXYRAPID (two-component structural adhesives).

PREPARATION OF THE MIX

Mix with clean water. Add the powder slowly to the water. Mix carefully with a low-speed electric drill with a helical mixer (F.97) until you obtain a homogeneous mortar free from lumps. Leave the mix to rest for 5 minutes and then briefly remix.



APPLICATION

Apply the adhesive with a suitable notched trowel (F.91/2 or F.91/4). For laying tiles on external surfaces, with the flat side of the notched trowel spread a layer of adhesive also on the rear face of the slabs to be laid (back-buttering) to avoid the formation of hazardous empty cavities between the tiles and the adhesive mortar. During the laying, check that an anti-adhesive film (skin) does not form, and if this occurs, re-spread the adhesive in order to break the superficial film.

WARNINGS

Remove any dust from the back of the tiles.
Apply the tiles using appropriate pressure; regularly check that the back of the materials to be laid is covered with adhesive for at least a 70-80% of their surface.
Protect the laid surface from rain and washout for at least 24 hours and also from direct sunlight or frost for at least one week.

COVERAGE

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

ROUTING OF JOINTS AND SEALING OF EXPANSION JOINTS

After 24 hours to floors and after 4/6 hours to walls. The grouting of the joints can be carried out using CERCOL's cement-based and epoxy grouts, available in different colours.
The sealing of expansion joints can be carried out using the appropriate silicone and epoxy-PU sealants from the CERCOL's range.

CLEANING

Wash hands and equipment with water before setting. Afterwards use F.80 CERNET (acid detergent), neat or diluted with water, or clean mechanically.

PACKAGING

25 kg bags on pallets and 5 kg bags in PE (polyethylene).

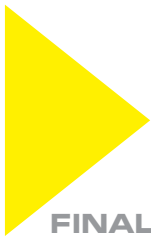
SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

F.19 EXTRA GRIGIO and F.20 EXTRA BIANCO contain cement which, if in contact with perspiration or other body fluids, will produce an irritant alkaline reaction. Wear gloves and safety goggles.
For further and complete information, it is recommended to refer to the latest version of the safety data sheet.

TECHNICAL DATA

Classification according to EN 12004 (ISO 13007-1)	C2TE
Appearance	White and grey premixed
Hazard classification (directive 1999/45/CE)	Irritant (for further information see the safety data sheet)
Mixing ratio	26-28%
Volumic mass of mix	1550 Kg/m ³
Application temperature range	from +5°C to +35°C
*Open time	≥ 30 min. EN 1346
*Setting time	≥ 30 min.
*Pot life	≥ 4 hours
*Walk-over time	24 hours
*Grouting	For floors after 24 hours, for walls after 4/6 hours
*Ready for use	36 hours
*Final hardening	14 days
Thaermal resistance	from -30°C to +90°C
EMICODE	EC1R - very low emission
VOCs (Rule # 1168 of California's SCQAMD) USGBC – LEED U.S.	0 g/L
Storage	12 months in original packaging in a dry place in 25 kg bags 24 months in original packaging in a dry place in 5 kg polyethylene (PE) bags
PRODUCT CONFORMS TO THE SPECIFICATIONS ESTABLISHED BY REG. (CE) NO. 1907/2006 (REACH) - ANNEX XVII, ITEM 47	

*Data obtained at +23°C and 50% Relative Humidity.



FINAL PERFORMANCE

Initial bonding after 28 days	≥ 1,5 N/mm ²	EN 1348
Bonding after heat exposure	≥ 1,3 N/mm ²	EN 1348
Bonding after immersion in water	≥ 1,2 N/mm ²	EN 1348
Bonding after freeze-thaw cycles	≥ 1,5 N/mm ²	EN 1348

LEED® SCORE - GBC ITALIA

LEED® SCORE SUPPORT*	LEED® SCORE
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.

SPECIFICATIONS

Floors and walls in ceramics must be laid with a single-component powder adhesive with mixed binders, based on selected cements with high resistance, such as PTL 52,5R, quartz, and special additives, with an extended open time, no vertical slip, and which conforms with the norm EN 12004 class C2TE such as F.19 EXTRA GRIGIO or F.20 EXTRA BIANCO by CERCOL Spa.

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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