



F.16 Quartz (white-grey)

Single-component quartz adhesive based on selected PTL 52,5R cements and special additives. Obtainable thickness :10 mm. For floors and walls, indoors and outdoors.. **PROFESSIONAL USE.**



SUITABLE APPLICATIONS

For the laying of:

- double-fired ceramic tiles;
- porous single-fired ceramic tiles;
- cotto.

Suitable substrates:

- cement-based screeds and plasters;
- cured concrete slabs;
- cellular concrete;
- gypsum and scagliola, previously treated with F.28/G APPRETTO.

UNSUITABLE APPLICATIONS

Do not use in the following cases:

- on precast concrete substrates;
- on a smooth cement finish and on existing flooring;
- on metal, linoleum, PVC, rubber surfaces and similar;
- on wood and similar;
- on not strongly fixed panels or those subject to strong movements;
- in case the thickness required is higher than the mentioned ones;
- on uncured substrates or those subject to heavy shrinkage;
- in basins and swimming pools;
- for laying inabsorbent ceramics and natural stones.

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. The 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 adhesive).

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 mixture 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 dangerous 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

GROUTING 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 cement-based and epoxy grouts, available in different colours.
 The sealing of expansion joints can be carried out using the appropriate silicon and epoxy-PU sealants from the CERCOL range.

CLEANING

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

PACKAGING

25 kg bags on pallets.

TECHNICAL DATA

Classification according to EN 12004 (ISO 13007-1)	C1
Appearance	White or grey premixed
Hazard classification (directive 1999/45/CE)	Irritant (for further information see the safety sheet)
Mixing ratio	26%
Volumic mass of mix	1550 Kg/m ³
Application temperature range	from +5°C to +35°C
*Open time	20 min. EN 1346
*Setting time	≥ 30 min.
*Pot life	≥ 4 hours
*Walk-over time	24 hours
*Grouting	Floors after 24 hours, walls after 4/6 hours
*Ready for use	36 hours
*Final hardening	14 days
Thermal resistance	from -30°C to +90°C
EMICODE	EC1R - very low emission
Storage	12 months in original packaging in a dry place
PRODUCT CONFORMS TO REQUIREMENTS OF DIRECTIVE 2003	

*Data obtained at +23°C and 50% relative humidity.



FINAL PERFORMANCE

Initial bonding after 28 days	$\geq 1,0 \text{ N/mm}^2$	EN 1348
Bonding after heat exposure	$\geq 0,6 \text{ N/mm}^2$	EN 1348
Bonding after immersion in water	$\geq 0,8 \text{ N/mm}^2$	EN 1348
Bonding after freeze-thaw cycles	$\geq 0,9 \text{ N/mm}^2$	EN 1348

SPECIFICATIONS

Floors and walls in ceramics must be laid with a single-component powder adhesive based on selected cements with high resistance, such as PTL 52,5R, quartz, and special additives and which conforms with the norm EN 12004 class C1, such as F.16 QUARTZ GREY or WHITE 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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