



## F.55 Cermono (White-Grey)

Single-component quartz adhesive with mixed binder and extended open time 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:**

- vitreous mosaic and all types of ceramic tiles including klinker and porcelain, also large in size;
- all types of tiles overlaying existing floors;
- cotto, marble, natural and recomposed stones provided they are dimensionally stable;
- bricks in general.

**Suitable substrates:**

- cement-based screeds and plasters, hammered or bush-hammered concrete, cellular concrete;
- cured concrete slabs;
- self-levelling cement-based screeds;
- heated screeds, old ceramic floors;
- anhydrite screeds previously sanded and treated with F.28/G APPRETTO;
- industrial environments also subject to heavy traffic, terraces and balconies;
- commercial environments (supermarkets, offices ...);
- large surfaces in general (shopping centres, airports, etc...);
- panels in cork or expanded polyurethane or plasterboard (free from dust), also with waterproofing treatment, as long as they are rigidly fixed;
- gypsum or scagliola, previously treated with F.28/G APPRETTO;
- waterproofing cement-based and acrylic mortars such as F.72 ELASTOMALTA or F.26 ELASTOGUAINA.

**Notes:**

- interior substrates composed of: floors in floorboards, PVC, linoleum, residues of adhesives for resilient floors as long as they bond well, epoxy varnishes and parquet (roughened), cold asphalt and bitumen membranes: treat prior to laying with HAFTPRIMER S applied with a roller.

### UNSUITABLE APPLICATIONS

Do not use in the following cases:

- where the required adhesive thickness is higher than the mentioned one;
- on metal surfaces;
- on wood, blockboard, plywood or derivatives, panels subject to strong movements;
- on uncured substrates or those subject to strong shrinkage.

### SUBSTRATES

The surface 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 can prevent 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 to 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 at least for 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 <sup>2</sup>	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's cement-based and epoxy grouts, available in different colours.  
The sealing of expansion joints can be performed 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), undiluted or diluted with water, or clean mechanically.

## PACKAGING

25 kg bags on pallets.

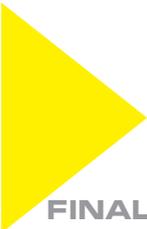
## SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

F.55 CERMONO contains 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

<b>Classification according to EN 12004 (ISO 13007-1)</b>	<b>C2E</b>
Appearance	White or grey premixed
Hazard classification (directive 1999/45/CE)	Irritant (for further information see the safety data sheet)
Mixing ratio	28%
Volumic mass of mix	1.500 kg/m <sup>3</sup>
Application temperature range	from +5°C to +35°C
*Open time	30 min. EN 1346
*Setting time	≥ 45 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
<b>EMICODE</b>	<b>EC1R - very low emission</b>
VOCs (Rule # 1168 of California's SCQAMD) USGBC – LEED U.S.	0 g/L
Storage	12 months in original packaging in a dry place
<b>PRODUCT CONFORMS TO THE SPECIFICATIONS ESTABLISHED BY REG. (CE) NO. 1907/2006 (REACH) - ANNEX XVII, ITEM 47</b>	

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



## FINAL PERFORMANCE

Initial bonding after 28 days	≥ 2,1 N/mm <sup>2</sup>	EN 1348
Bonding after heat exposure	≥ 1,7 N/mm <sup>2</sup>	EN 1348
Bonding after immersion in water	≥ 1,2 N/mm <sup>2</sup>	EN 1348
Bonding after freeze-thaw cycles	≥ 1,4 N/mm <sup>2</sup>	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 or natural stone on cement-based substrates, heated screeds, or existing floors and walls, must be laid with a single-component powder adhesive with mixed binder and extended open time, based on selected PTL 52,5R cements, quartz, and synthetic additives, and which conforms to the norm EN 12004 class C2E, such as F.55 CERMONO 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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