

OLTRE BARRIER

FLOOR SYSTEM



PRODUCT DESCRIPTION

Description

BARRIER is a ready-to-use, elastic, waterproofing paste skim coat, based on polymeric binders in aqueous dispersion and special additives, designed for all environments in which there is the presence of and contact with water.

Intended use

- Indoors
- Walls
 - Ceilings
 - Walk-on surfaces (including those with underfloor heating)

Main features



Product with CE mark
Compliant with the UNI EN 14891 regulation: liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives

- Excellent workability
- Excellent adhesion and surface resistance
- High flexibility to withstand cracks in the substrate of more than 0.75 mm in depth

Main technical data

Technical information	Method	Main data at 20°C and 60% of R.H.
Appearance and finish		Paste
Density of fresh mortar		approx. 1.5 kg/dm ³
Theoretical consumption		1.5 ÷ 2.0 kg/m ²
Minimum total thickness for achieving impermeability		approx. 1 mm
Maximum thickness in one coat		approx. 1 mm

Performance data of EN 14891 certification

Technical information	Method	Main data at 20°C and 60% of R.H.
Initial tensile strength	SIST EN 14891	≥ 0.5 N/mm ²
Tensile strength after immersion in water	SIST EN 14891	≥ 0.5 N/mm ²
Tensile strength after heat exposure	SIST EN 14891	≥ 0.5 N/mm ²
Tensile strength after frost-thaw cycles	SIST EN 14891	NPD
Tensile strength after immersion in lime water	SIST EN 14891	≥ 0.5 N/mm ²
Impermeability to water	SIST EN 14891	No penetration
Tensile strength after immersion in chlorinated water	SIST EN 14891	≥ 0.5 N/mm ²
Crack-bridging ability in standard conditions	SIST EN 14891	≥ 0.75 N/mm ²
Release of dangerous substances		See SDS

Available colours White

LAYING

Preparation of the product

Before application, mix thoroughly with a mechanical whisk. The product can be diluted with up to a maximum 5% water. Apply with a steel trowel, taking care to level the product before it dries. Once completely dry, the product lends itself very well to being sanded. It can be applied with a brush in the corners and joints.

Application tools

Float, notched trowel and brush

Preparation of the substrate

Substrates must be clean and free from grease or release agents; loose parts or not well anchored to the masonry, must be removed and repairs must be carried out with mortars compatible with the existing ones and allowed to cure properly. If applied on tiles or very smooth substrates, apply a coat of BASE primer. Tiles must be firmly bonded and joints must be levelled and smoothed.

Application system

Apply 2 or 3 coats of BARRIER with a steel float; in the case of reinforced skim coats, apply the first coat with a notched trowel. Each coat must be applied at right angles to each other (two intersecting coats). On ceramic substrates or floors, surface reinforcement with fibreglass mesh (160 g/m² and mesh size 4x4 mm) is recommended. Sand between coats with sandpaper from P80 to P150.

For all other application information or technical tips, please refer to the "Oltre" Decorative System Technical Manual.

- Touch dry: 1h
- Touch dry (reinforcement mesh 160 g /m² embedded in the first layer): 6h
- Over-application: 1.5 h
- Over-application (reinforcement mesh 160 g /m² embedded in the first layer): 24 h
- Tile installation: 12 ÷ 24 h or 4÷5 days in case of non-absorbent substrates

Conditions of application

- The substrate must be dry, free from dust and grease
- Do not apply to substrates exposed to frost
- Relative humidity must not exceed 75%
- Ambient temperature: min. +10°C / max. +35°C
- Relative humidity of the environment: < 75%
- substrate humidity: < 10 of R.H.

Known incompatibilities

Not suitable on substrates subject o rising damp or submerged substrates (pools, cisterns. etc.). BARRIER is not suitable for use with self-adhesive tapes.

For any use other than that indicated in this technical data sheet, contact our Technical Assistance Service

Cleaning of tools

With water immediately after use.

Safety Precautions

- Keep the can tightly closed and protected against frost. PROTECT FROM FROST!
- The safety information for the user is contained in the relevant safety data sheet
- Empty containers or containers with slight traces of dried film of residual product must be disposed of in compliance with local regulations
- Store the product in the original packaging at room temperature
- between +5°C and +25°C

Warnings

- Close the jar immediately after use
- Store the product in the original packaging at room temperature
- between +5°C and +25°C

OTHER INFORMATION

Other technical information

Technical information	Method	Main data at 20°C and 60% of R.H.
Theoretical consumption		1.5 ÷ 2 kg/m ²
Shelf life		At least 12 months
Flash Point °C	UNI 8909	Non-flammable

ITEM SPECIFICATIONS

Application of white elastomeric waterproofing - **BARRIER**.

Apply in two or three coats of horizontal, vertical substrates or on ceramic tiles treated with **BASE** primer.

BARRIER is applied with a float, notched trowel and brush, with an approximate consumption of about 1.7kg/m².

Price on site € _____ per m² including materials, labour, and excluding scaffolding, protections and any surface preparation.

All the technical indications contained herein are the result of our best experience, are indicative and do not constitute a guarantee of results. The data and methods shown on this technical data sheet can be modified at any time depending on any change in production technologies. The application of the products takes place outside our control and therefore falls under the sole responsibility of the customer. The correct use of the materials assumes compliance with the general requirements for use set out in the GENERAL CONSIDERATIONS page of the PRODUCT INFORMATION SHEETS collection and in particular with what is indicated in this sheet, especially with regard to the preparation and suitability of the supports. Cromology Italia spa offers technical support to users who require any further information in addition to the data provided herein.

THIS DATA SHEET REPEALS AND REPLACES ANY PREVIOUS EDITION.

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