

# BENFERFINISH

Rev. 01

## THIXOTROPIC CEMENT MORTAR FOR BENFERCURE FINISHING OF REINFORCED CONCRETE SUBSTRATES, CELLULAR CEMENT BLOCKS AND CEMENT PLASTER COATS

### TECHNICAL FEATURES:

BENFERFINISH is a cementitious powder mortar consisting of high-strength cements, graded particle size aggregates, synthetic resins and special additives. Its formulation has been conceived and developed to finish horizontal and vertical surfaces of old, new or restored degraded concrete structures, cellular cement blocks and cement plaster coats quickly and safely, indoor and outdoor.

The excellent workability and the high thixotropy also allow for the vertical application of up to 10 mm of thickness.

Once hardened, due to its great adhesion to substrates, elasticity and water tightness, it grants a longer life to surfaces and acts as an excellent base for further application of paints and ceramic coatings.

### FIELDS OF APPLICATION:

- Smoothing of concrete structures.
- Smoothing on repairs made with BENFERCURE.
- Smoothing and finishing of concrete walls.
- Smoothing of cellular cement blocks.
- Smoothing of old and new plaster coats.
- Smoothing of irregular walls before laying glass mosaic.
- Smoothing of cementitious screeds before the implementation of ceramic floors.

### METHODS OF USE AND CONTRAINDICATIONS:

- Apply on clean and solid substrates only.
- Do not add water after the mix has started to set.
- Only work at temperatures between + 5°C and + 30°C.

The substrates must be free from oil, grease and dust. Damaged, weakened and partially taken-off parts must be absolutely removed, preferably by blast cleaning, until obtaining a rough and solid substrate.

Avoid spreading mortar directly on stagnant water. Do not spread on plaster or scagliola substrates without having previously applied BENFERPRIM.

### PREPARATION OF THE MIXTURE:

Mix BENFERFINISH with 25% clean water (6.25 L per sack) using a concrete mixer or a low-speed mechanical agitator; be careful to add powder to water and not vice-versa in order to obtain a mix free of clots.

The mortar is now ready for use, and remains workable for approximately 1 hour at 23°.

### APPLICATION OF THE MORTAR:

BENFERFINISH can be applied with a smooth trowel even on vertical surfaces in maximum thickness of 10 mm.

To help with product adhesion, abundantly wet the substrate and avoid spreading mortar directly on stagnant water.

Where needed, it is possible to spread a second coat of BENFERFINISH as soon as the first coat becomes solid enough. Do not let more than five hours pass.

Finishing must be done some minutes after applying by a concrete finishing trowel or a sponge float, wetting surface from time to time.

At high temperatures, protect BENFERFINISH from a too-rapid drying by dampening it with water.

**COVERAGE:**

Coverage of BENFERFINISH is 1.4 kg/m<sup>2</sup> per mm of thickness.

**CLEANING:**

Tools can be cleaned with water before hardening of the mortar.

**PACKAGING:**

BENFERFINISH is packed in 25 kg poly-lined bags, is supplied on pallets of 1,500 kg.

**STORAGE:**

In the original unopened packaging in a dry and cool place.

**SHELF LIFE:**

9 months from the date printed on the packaging; pursuant to EU directive 2003/53/CE, we inform that the expiry date refers to the efficacy of the reducing agent in relation to Chromium VI salts.

## PRODUCT TECHNICAL DATA

CONSISTENCY:	PASTE
COLOUR:	GREY
STORAGE:	IN THE ORIGINAL UNOPENED PACKAGING IN A DRY AND COOL PLACE.
SHELF LIFE: 9 MONTHS FROM THE DATE PRINTED ON THE PACKAGING; PURSUANT TO EU DIRECTIVE 2003/53/CE. WE INFORM THAT THE EXPIRY DATE REFERS TO THE EFFICACY OF THE REDUCING AGENT IN RELATION TO CHROMIUM VI SALTS.	
TOXICITY:	NONE POSSIBLE IRRITATION OF SKIN AND EYES AFTER CONTACT, DUE TO THE CEMENT CONTENT USE SUITABLE PROTECTION
INFLAMMABILITY:	NONE
MIX RATIO:	25 PARTS WATER WITH 100 PARTS POWDER BY WEIGHT
APPLICATION TEMPERATURE:	+ 5° C TO + 30° C
POT LIFE:	60 MINUTES AT 23°
SPECIFIC GRAVITY OF THE MIX:	1.7 KG / LITRE
WAITING TIME BETWEEN ONE COAT AND ANOTHER:	MAXIMUM 4-5 HOURS
MAXIMUM APPLICATION THICKNESS:	10 MM PER COAT

FINAL PERFORMANCES	VALUE
ADHESION TO SUBSTRATE AFTER 28 DAYS:	> 1 MPa
COMPRESSIVE STRENGTH AFTER 28 DAYS:	> 15 MPa
FLEXURAL STRENGTH AFTER 28 DAYS:	> 5 MPa

NB: The information given in this chart is based on our best experience and indicative only.

It must in any event be verified by the end user, who assumes  
all liabilities deriving from utilization of the product.