

# betonilha<sup>®</sup> autonivelante fluid



## TECHNICAL DATA SHEET

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# betonilha

autonivelante fluid

levelling and regularization

self-levelling, semi-quick-set for levelling



1- 4 cm  
local adherent  
5 - 10cm  
local non-adherent

## use

For filling and finishing of pavements, providing a fluid mortar base ready to receive the final coating.

Semi-quick set. Constant composition.

Quick and easy to apply. Pumpeable. High productivity.

Reduces storage costs and product displacement.

Adapted for moderate, intense or heavy trafficking sites.

Related coatings: ceramic surfaces, various types of pavements, from rigid plastic to wood, self-levelling, cork and floor carpets.

## surface

- Concrete;
- Insulation sheeting;
- Old mortars (with good bonding).



## CE marking

CT-C12-F3-A22  
European standards  
EN 13813



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## recommendations

On outdoor non-trafficable paving, protect the entire surface using waterproofing products (for e.g., Topelastic).

For a perfectly bonded application of the Betonilha Autonivelante Fluid on a porous surface, first apply the Toporo priming coat.

Do not apply on non-coated, constantly wet, unstable, industrial pavements or in garages.

Expansion joints must be extended into the mortar.

Section the mortar especially in wall joints or other overhangs. Maximum non-sectioned area should be 40 m<sup>2</sup> in each linear part, with a maximum length of 6 m.

Do not apply on heated pavements (turn off the heating 24 hours beforehand).

Where string sun is expected, dampen the mortar during the first two days. The dampening process must take place 8 hours after mortar application.

For mortar thickness under 4 cm, bond the mortar to the support structure by preparing a resin grout with Latex Topeca (see Technical Data for Latex Topeca).

## composition and characteristics

### Composition:

Special cements, silica compounds with selected grain-size and specific additives.

### Characteristics:

Layer thickness: 1- 4 cm (bonding mortar); 5 - 10cm (non-bonding mortar)

Coating time: On ceramics: 24 hours; on wood: relative humidity < 2%.

Trafficable in 8 hours.

Application Temperature: +5°C to +30°C.

Density of hardened material: 1.7 Kg/m<sup>3</sup>

Compressive strength > 8 N/mm<sup>2</sup>

Flexural strength > 2 N/mm<sup>2</sup>

Note: These results were obtained in laboratory tests, according to specifications of standard EN 13813, under standard conditions (T = 20 ° C) which may vary with the conditions of application.

## colour

Grey

## consumption

Approximately 18 Kg/m<sup>2</sup>/cm thickness (guideline information only).

## available in

Sacks of 30 Kg.

Pallets with 48 sacks.

## storage

1 year after manufacture, in unopened original sacks, in damp free environment.



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## preparation of surface

Surface must be resistant, clean and free from grease and oils.

Surface must be dry or dampened.

Before the filling process, place expanded polystyrene, cork, or polyurethane sheets around pillars and walls.

Bench mark every 1.5 m with a spirit level to check the required mortar thickness.



## application

The continuous or discontinuous mixing drum must be adjusted to a flow rate of approximately 40 l/min. If possible, use a high performance sleeve.

Free the hose nozzle (without the pointing tool).

Before the first mixture, introduce a cement grout in the mixing drum.

The Betonilha Autonivelante Fluid must be mixed with 4 to 5 litres of water per sack until a lump-free, homogeneous mix is obtained to provide a perfect application.

Place the Betonilha Autonivelante Fluid in the narrow part of the joint and adjust the filling level.

Scrape with trowel to shape the Liquid Self-levelling mortar.

For a perfect finish, scrape with joint chisel and a brush to remove air bubbles.

