

TB 400



DESCRIPTION

Prepared, grey and white cement-based mortar, composed from Portland Cement with excellent qualities, carbonate stone filler with selected granulometry, synthetic resins and special additives, which improve the workability, adhesion and increase the hydrophobicity of the dry mortar.

RECOMMENDATIONS FOR USE

TB 400 serves for the adhesion of all types of panels that are generally used for the realization of thermal insulation systems, such as: styrofoam, graphite, mineral fibers panels in brick walls, concrete or cement-based mortar. TB 400 can be used as adhesive for EPS and as base coat (flattening) with fiber glass mesh.

TECHNICAL DATA

Form:	Powder
Colour:	Grey and White
Grain size:	0,6 mm
Water demand:	6.5 l/25 Kg
Application temperature:	from +5°C up to +35°C
Application thickness:	up to 15 mm
Pot life:	minimum 4 hours
Open time:	35 min
Correction time:	40 min
Module of elongation:	6 MPa
Compressive strength(EN 998-1):	15 MPa
Flexural Strength (EN 998-1):	4,5 MPa
Adhesion strength (EN 998-1):	0,8 MPa
Capillary water absorption (EN 1015-18):	0,35 Kg/m ² •min ^{0.5} Category W1
Adhesion strength after 28 days according EN 12004:	
• Normal condition:	≥ 1,23 N/mm ²
• After heating reaction in 70°C:	≥ 1,12 N/mm ²
• After water immersion:	≥ 1,15 N/mm ²
• After freeze-thaw cycles:	≥ 1,24 N/mm ²
Temperature resistance:	from -30°C up to +90°C

SURFACE PREPARATION

The supports must be compact, seasoned and steady, without cracks, oils, paints or detachable parts. Check to see if the bricks are securely attached and do not have parts that can detach. If there are such parts, remove them and repair surface with mortar. Walls that are coated with grout must be scraped in order to verify if the surface under it, was painted with old and badly attached paints, or if there are detachable parts. Powdered surfaces should be treated with MEGAGRUND Liquid primer. Superficial cracks can be caulked with TB 400, while deep structural cracks should be treated in a way to eliminate the causes and the possibility of repetition. If the surface is not flat or straight, it should be flattened or made straight using MEGAGRUND.

APPLICATION OF PRODUCT

In order to achieve a steady installation, before you start to adhere panels, it is necessary to fix metallic profiles as leveling fasteners. For installations in irregular surfaces, such as unplastered brick walls, the adhesive is applied with a trowel, by putting it as a tape at the edges of the panels', and some drops in its center (or forming an X in the center of the panel) in a certain thickness to compensate unevenness. For applications in flat surfaces, it is recommended to spread the adhesive in the entire surface of the panel through a notched trowel (from 8 up to 10 mm). Caution must be paid to the surface covered with adhesive, which should be at least 40 % of the total panel surface. Panels should be installed in horizontal direction, starting from the bottom and continuing up. Caution to the panels' joints; do not leave empty spaces or unevenness. Then, proceed with the mechanic fixation of wall anchors (for usual panels 50 x 100 cm, it is recommended to pour 8 adhesive drops for meter square). The above data are applicable in temperatures from (23 $\pm$ 2°C) and in (50 $\pm$ 5) % relative humidity. Lower temperatures prolong the time of maturity and solidifying.

PACKAGING

TB 400 is supplied in paper bags of 25 kg.

STORAGE

12 months, if stored in normal environments and in its original packaging, protected from direct exposure to the sun and frost.

CONSUMPTION

4 - 5 kg/m²

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

