

CBOARD COPING

Cement based, precast GRC decorative coping



PRODUCT INFORMATION

Betonex CBOARD Coping is a cement based, alkali resistant glass fibre reinforced concrete (GRC) precast decorative coping specially developed for facade cladding systems.

Betonex CBOARD facade products have been developed as a result of long years of R&D activities within the framework of university industry cooperation abroad.

GENERAL CHARACTERISTICS

- Cement based.
- High strength.
- Fire resistant and non-combustible.
- Durable and lightweight.
- Highly resistant against cracking.
- Suitable for interior and exterior applications.
- Suitable to be cut to desired size.
- Can be painted to desired color.

TECHNICAL PROPERTIES

Technical Properties	Coping
Compressive Strength	30-50 MPa*
Bending Strength	8-20 MPa*
Proportionality Ratio	8-17 MPa*
Minimum Expansion	% 0,58
Impact Strength	5-16 kJ/m ² *
Elasticity Modulus	12000 MPa
Density	1,4-1,9 g/cm ³ *
Thermal Expansion Coeff.	1,2x10 ⁻⁵ /°C
Thermal Conductivity	0,6-1,4 w/mK*
Fire Resistance	A1
Shrinkage Value	0,5-1,5 mm/m*
Swelling Value	0,5-1,5 mm/m*
Water Absorption	% 8-13*
Water Vapor Diffusion	60

* Desired value in the range could be manufactured depending on the specification requirements.

DIMENSIONS

- Custom sizing is available as per Project requirements.

INSTALLATION DETAILS

Visible screw/rivet-retained system:

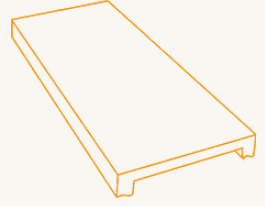
- The application surface is cleansed of all kinds of dust, debris, and foreign materials.
- Using a suitable plug, L brackets are installed on the substructure.
- Horizontal U or box profiles are fixed to the L brackets. If specified on the Project or the Specification, heat insulation is placed on the wall between the profiles.
- CBOARD Coping is fixed to the vertical profiles using screws/rivets.
- PU-based sealant is applied to the joints and over the screws/rivets.
- CBOARD Coping is painted to the desired color and the installation is completed.

Adhesive mortar application:

- The application surface is cleansed of all kinds of dust, debris, and foreign materials.
- A suitable adhesive mortar is prepared.
- The adhesive mortar is applied on the wall/parapet and CBOARD Coping is placed.
- PU-based sealant is applied to the joints.
- CBOARD Coping is painted to the desired color and the installation is completed.

FASTENING OPTIONS

Betonex CBOARD Coping can be installed on either a steel or aluminum substructure using visible screw-retained or visible rivet-retained system, or directly on a wall/parapet using adhesive mortar.



SPECIAL STRUCTURE

Betonex CBOARD Coping's special structure is created using natural materials which makes it eco-friendly while keeping it strong, stable, durable and lightweight.

Thanks to its cutting-edge manufacturing technology, CBOARD products stand out among its alternatives with a fixed-thickness and stable production

RESPONSIBILITY

Technical findings and the application suggestions are based on experimental data. Actual values can vary due to conditions out of control. Suggestions do not take on any other obligations. When the new version of this document is issued, old version becomes invalid.

CLEANING & MAINTENANCE

Depending on the location of the cladding and dirt, CBOARD facade may be cleaned at an interval of 3-5 years. The cleaning should be made without any chemicals or high-pressure cleaners. Re-painting may be considered to achieve the first-day-look of the facade.