

Naturant CB-355

Construction Chemicals > Waterproofing Products > Bitumen Rubber-Based



Naturant CB 355 is a cement-based, polymer-modified adhesive mortar with mineral fillers. It is a flexible, high-performance, single-component adhesive with an extended open time, used for bonding ceramic and tile coverings, as well as marble, travertine, and granite slabs.

■ Fields of Application

- Indoors and outdoors
- On horizontal and vertical surfaces
- For the installation of granite, granite ceramics, marble, clinker bricks, and all artificial and natural stones
- In areas with heavy pedestrian traffic (Airports, Shopping Malls, Hospitals, Schools, etc.)
- As an adhesive over underfloor heating systems

■ Advantages

- High bonding strength and elasticity
- Provides high strength in a short time
- Not affected by sudden temperature changes
- Resistant to heat and frost
- Can be safely used on open terraces due to its water resistance
- Flexible
- Compliant with the C2TES1 class

■ Surface Preparation:

The surface to be applied must be clean and free of loose parts. The surface must have sufficient strength. If there are wide cracks and gaps on the cleaned surface, they should be filled with CB 435 series repair mortars.

■ Mortar Preparation

25 kg of Naturant CB 355 should be mixed with approximately 5.5 – 6.5 liters of clean water using a low-speed mixer or trowel to prevent lumps. The prepared mortar should rest for 5–10 minutes and then be mixed again at low speed before use. The mixture should be used within 1 hour.

■ Application

The prepared Naturant CB 355 mortar should be applied to the surface using a notched trowel suitable for the size of the tile. The tile can be set firmly into place and any air bubbles in the mortar can be removed using a rubber mallet. For tiles larger than 20 cm x 20 cm used outdoors, the double-sided application method should be chosen. The surface must be protected from air currents and water after application. Final strength is reached after 28 days. Joints left between granite ceramics can be filled with Fill CB 817 or Fill CB 817 Flex 24 hours after application.

■ Packaging

25 kg PE-reinforced kraft bags.

■ Consumption

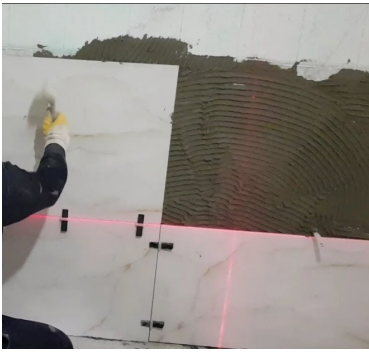
The mortar should be applied to the surface, and the thickness adjusted with a notched steel trowel. Depending on the size of the tile and the evenness of the application surface, the consumption for a 6x6x6 mm trowel is 3–4 kg/m² for single-sided bonding and 5–6 kg/m² for double-sided bonding; for an 8x8x8 mm notched trowel, the consumption is 4–5 kg/m² for single-sided bonding and 6–7 kg/m² for double-sided bonding.

■ Precautions

- Should be applied at temperatures between +5°C and +35°C
- If the surface temperature is above +25°C or on roughly plastered surfaces, they should be dampened
- If the surface is newly plastered, wait at least 3 weeks
- If applying over existing tiles or drywall, first apply Merks Prima conc Ab 640 primer
- For applications on plaster, first roughen the surface and then apply Merks Prima conc Ab 640 primer
- Do not apply on frozen surfaces
- Avoid application in windy areas
- Do not add powder or water to expired mortar
- Do not apply on frozen, thawing, or surfaces that are at risk of freezing within 24 hours
- For floors subject to heavy traffic (industrial areas, etc.), it is recommended to apply Ceramic CB 301-Flex
- Cannot be applied over old painted surfaces
- When not in use, ensure the bags of excess powder material are tightly sealed

■ Shelf Life

At least 12 months in dry environments and protected from frost.



TECHNICAL DATAS

Material Composition	Mineral fillers, polymer-reinforced additives, and cement
Appearance	Gray / White powder
Application Surface Temperature	(+5°C) - (+25°C)
Powder Bulk Density	~ 1,60 kg/l
Wet Bulk Density	~ 1,90 kg/l
Resting Time	5 - 10 minutes
Application Temperature	(+5°C) - (+35°C)
Pot Life	2 hours
Service Temperature	-20°C to +80°C
Slippage	< 0.5mm
Wetability	Min. %90
Tensile Adhesion Strength After Open Waiting	After Open Time: At least 30 min ≥ 0.5 N/mm ²
Initial Tensile Adhesion Strength	≥ 1.0 N/mm ²
Tensile Adhesion Strength After Water Immersion	≥ 1.0 N/mm ²
Tensile Adhesion Strength After Heat Aging	≥ 1.0 N/mm ²
Tensile Adhesion Strength After Freeze-Thaw Cycles	≥ 1.0 N/mm ²
Time to Traffic	3 days
Shelf Life	12 months in unopened packaging in a dry environment
Packaging	25 kg PE-reinforced kraft bag