



1005 ABR FLEX

Granite Adhesive
Cement based floor and wall granite
adhesive mortar with high performance,
reduced slip property.

Places of Usage

- Horizontal and vertical applications in Indoor and outdoor,
- Application of small and medium sized plates such as granite ceramic, porcelain to smooth or irregular concrete surfaces,
- Balconies, terraces, wet areas,

Features / Advantages

- Easy to prepare and apply.
- Since it is not necessary to apply adhesive mortar on the back surface of the plates, the application speed increases.
- Thanks to its flowing consistency, it is easily and quickly applied to the surface with a toothed comb.
- It has long penetrating time.
- It has high adhesion strength.
- Resistant to freeze-thaw cycle.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with ABR Repair Mortars two days in advance. If the temperature of the surface to be applied is above + 25°C, the surface should be moistened.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. 1005 ABR is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

1005 ABR layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. 1005 ABR is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 20 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the 1005 ABR is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size.



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ABR Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- As it is cement based, do not breathe dust, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. 1005 ABR can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)

C: Cement based
2 : High performance
T : Reduced slip property
E : Prolonged working time



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TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Gray and white powder

Shelf Life

12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature

(+5 °C) - (+35 °C)

Mixing ratio

6-7,5 lt water / 25 kg powder

Pot Life

4 hours

Slip (EN1308)

≤ 0,5 mm

Open Waiting Time(EN 1346)

0,5 N/mm² after at least 20 min

Getting Into Use Time

24 hours on wall - 2 days on floor

Consumption

Average 4-5 kg/m²

PERFORMANCE INFORMATION

Adhesion Strength (EN 1348)

-Initial

≥ 1 N/mm²

-After Water Immersion

≥ 1 N/mm²

-After Become Wet With Heat

≥ 1 N/mm²

-After freeze-thaw cycles

≥ 1 N/mm²

Temperature Resistance

(-40 °C) - (+80 °C)

Dangerous Goods (EN 12004)

See Safety Data Sheet

Reaction to Fire

A1

