

ENEBOND PORTA

Cement-based Porcelain tile adhesive

DESCRIPTION

ENEBOND PORTA is a premixed cement-based polymer modified tile adhesive which is designed for all types of porcelain tiles, ceramic tiles and natural stones, requires only the addition of water. **ENEBOND PORTA** is applied on a vertical wall or horizontally on the floor of thickness ranges between 3 mm to 10 mm depending on application type.

USAGES

- Porcelain, ceramic and natural stone tiles
- Leveling minor undulation on plastered and concrete surfaces
- Tiling on lightweight block and plasterboard
- Wet & dry areas, e.g., Tiling of kitchens, bathrooms
- For internal and external application.

STANDARDS

ENEBOND PORTA complies with:

- EN 12004 • EN 105-12 • ASTM C150 • ASTM C109
- ASTM C348 • ISO 13007

TECHNICAL DATA

ENEBOND PORTA

Typical values

Appearance	White/ Grey powder
Grain size	≤ 0.6 mm
Wet Density	1.6 ± 0.1 kg/l
Tensile Strength @day 7	≥ 0.6 N/mm ²
Pot life @25°C	45 min
Slip resistance	≤ 0.5 mm
Flexural strength	≥ 2.5 N/mm ²
EN 12004 Class	C2TE
Application thickness	3 – 10 mm

ADVANTAGES

- Requires only the addition of water
- Factory-controlled ensuring high quality and assured consistency
- Easy to apply with superior workability and extended open time
- Suitable for external and internal application
- Complying with international specifications

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease, oil and dirt, the concrete substrates shall be saturated with water prior to application.

2. Priming

Priming is not required for **ENEBOND PORTA**.

3. Mixing

shall be thoroughly mixed using mechanical mixing procedures, mechanical mixing using spiral paddle in a slow speed (400-500 rpm) heavy duty drill is recommended.

Put 14-16 liters of clean water this amount is for full 50kg bag of **ENEBOND PORTA** in the mixing vessel and start mixing while adding the powder gradually and continue mixing till homogenous free from lumps mortar is obtained.

ENEBOND PORTA

Coverage per 50 kg

Water per 50 kg

coverage

12-13 m²/ 2 mm

14 -16 liters

4. Application

Apply the mixed adhesive to the surface using a suitable notched trowel, use the straight edge of the trowel to spread the adhesive on the surface. Hold the trowel at about 45° and move it several times, backward and forward until the adhesive bed is relatively even (do not apply the adhesive on a larger surface than needed).

Comb the tile adhesive with the notched edge of the trowel (the trowel angled at about 45°).

Lay the tiles on the adhesive and set them into position, by using a mallet (do not hit the tiles too hard). Ensure that at least 75% of the tile surface has contact with the applied material. Use spacers between the tiles, as to get consistent joints.

Tile position can be adjusted if required within maximum 15 minutes of the application (variations are expected based on the weather, application and substrate conditions).

5. Curing

Applied tiles should remain undisturbed for at least 48 hours.

6. Cleaning

Clean all tools and application equipment with water and detergent immediately after application, dry materials can be removed mechanically.

PACKAGING

ENEBOND PORTA is supplied in 20 & 50 kg bag.

HEALTH & SAFETY

ENEBOND PORTA is non-toxic and non-hazardous, if material comes in contact with skin; cleaning with water and soap is recommended.

For Ecology: Do not dispose directly to water or soil, re-use it if possible or mix with water and wait until it hardens then bury it in landfill in accordance with national regulation.

ENEBOND PORTA is a non-combustible material as per BS EN 13501-1 (Class A1).

STORAGE & SHELF LIFE

ENEBOND PORTA shall be stored in normal conditions away from extreme temperatures, and any source of moisture. Shelf – life is 12-months

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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