



Description

Cementitious masonry mortar for bonding high water absorbing construction elements like aerated concrete.

Fields of Application

- Bonding of aerated concrete and any other high water absorbing construction elements.

Properties

- Perfect adherence.
- Easily trowelable.
- Labor-cost effective.

Preparation of Substrates

- Surface should be dry, smooth and durable.
- Substrates must be sound, free from oil, grease, and sufficiently dry. Cementitious substrates must be cured.

Application

- Pour Technoblock on the amount of clean water specified in the technical table slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Allow to stand for 5 - 10 minutes to mature. After remixing, the paste is ready for application.
- Spread the mortar onto the substrate with a notched trowel of which notch size is 10x10x10 mm. While laying the blocks, vertical and horizontal joints should have a maximum 3 mm width and fill them completely with Technoblock.
- Open time is 10 - 15 minutes. Lay the blocks within this period with a firm pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time to just a few minutes. If this period is exceeded, scratch and discard the mortar.

Consumption Data

| | A (cm) | B (cm) | C (cm) | Consumption (kg/m ²) |
|--|--------|--------|--------|----------------------------------|
| | 20 | 50 | 20 | 5 - 8 |
| | 20 | 70 | 20 | 5 - 7 |
| | 30 | 50 | 15 | 3 - 5 |
| | 30 | 70 | 15 | 3 - 4 |
| | 30 | 50 | 20 | 4 - 6 |
| | 30 | 70 | 20 | 4 - 6 |
| | | | | |



1058 Technoblock

Post-Application Protection & Suggestions

- Clean tools and hands with water, surfaces with a damp cloth.
- Dispose mortars of which pot life is expired.
- After trowelling the mortar, aerated concrete block must be put on adhesive within 5 - 10 minutes.
- It must not be applied in rainy weather and the applied surface should be protected from rain for next 24 hours.
- Application temperature and storage conditions should be between +5°C and +35°C.
- Since contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Do not stack more than 10 bags on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- 25 kg multi-ply paper bags.



Certificates of Quality

TS EN 998 – 2.



1058 Technoblock

Technical Properties

(at 23°C and 50% RH)

General Data

| | |
|---------------|---|
| Appearance | Grey and White powder |
| Shelf Life | 12 months when stored in the original sealed. |
| Particle Size | Max. 1 mm |

Application Data

| | |
|-------------------------------|---|
| Application Temperature Range | (+5°C) - (+35°C) (-10°C) - (+23°C) (Thanks to Wintertech) |
| Mixing Ratio | 7-7.75 lt water / 25 kg grey powder 7.75-8 lt water / 25 kg white powder |
| Workable Life (EN 1015-9) | ≥ 5 hours |
| Correction Time | ≥ 6 min. |

Performance Data

| | |
|---|---|
| Compressive Strength (EN 1015-11) | ≥ 5 N/mm ² /M5 |
| Air Content | < 20 % |
| Bond Strength (EN 1052-3) | ≥ 0.3 N/mm ² |
| Water Absorption Coefficient (EN 1015-18) | ≤ 0.40 kg/m ² min ^{0.5} |
| Water Vapor Permeability (EN 1745) | 5/20 (Table Value) |
| Thermal Conductivity (EN 1745) | NPD |
| Release Dangerous Substances (EN 12004-1) | See SDS. |
| Reaction to Fire (EN 13501-1) | A1 |