

Probuild BM110

Block and brick premixed laying mortar



Description

Probuild BM110 is a polymer modified, ready to use interior and exterior block adhesive specially designed for use with blocks and bricks.

Probuild BM110 is composed of a blend of cement, sand, limestone, dry powder additives and selected polymers which when mixed with water produces a thixotropic mortar suitable for fixing all types of blocks and bricks, and to be used on the block walls for filling gaps.

Applications

- ▲ For permanent fixing of all types of blocks and bricks.
- ▲ Can be used internally and externally.

Advantages

- ▲ Water resistant, will not be affected in wet areas.
- ▲ Low permeability to water.
- ▲ Ready for use, just requires the addition of water.
- ▲ Non sag, good consistency.
- ▲ High bond strength.
- ▲ Suitable for internal and external application.
- ▲ Shrinkage controlled, polymer modified cementitious mortar.
- ▲ Complies with the LEED requirements for VOC.

Standards

Probuild BM110 complies with the requirements of ASTM C387, C1714, C270 Type S, N and O.

Method of Use

Blocks Condition

All used blocks must be checked to be clean and free from oil or any loose materials. It is recommended to wet the used blocks before the application of the adhesive, especially in hot and dry conditions.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

3.0 - 3.5 litres (for each 25 kg bags) of clean water should be added to clean container.

Technical Properties @ 25°C. W/P = 0.13:

Appearance:	Grey cement based powder
Fresh wet density (mixed):	2.0 ± 0.1 g/cm ³
Skin over time:	8 min @ 20 mm thickness
Pot life:	1 - 2 hr
Compressive strength: ASTM C109/109M-02	> 14 MPa @ 28 days
Flexural strength: ASTM C348	≥ 2.0 MPa @ 28 days
Bond strength on concrete: ASTM C1583	≥ 1.5 MPa @ 28 days
Water retention: ASTM C1506	≥ 90%
Air content: ASTM C185	4 ± 1%
Maximum aggregate size:	3.0 mm
Initial setting:	2 - 3 hr
Temperature limitations:	Below 5°C and above 38°C

The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until a uniform consistency is obtained.

Application

- ▲ Spread to a uniform thickness of 15 - 25 mm using a trowel.
- ▲ Place blocks firmly over the applied area.

Curing

The applied areas should be protected from direct sunlight and heavy wind. Curing with water is needed for at least 2 - 3 days after setting.

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Cleaning

All tools should be cleaned immediately after finishing by water.

Packaging

Probuild BM110 is available in 25 and 50 kg bags.

Yield

Approximately 14 litres per 25 kg bag.

Storage

Probuild BM110 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 45°C in dry conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

As Probuild BM110 contains Portland cement and sand, Probuild BM110 may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data sheet.

Fire

Probuild BM110 is nonflammable.

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Note:

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