Cemfix BB+

Block and brick laying cementitious mortar with water resistance

Description

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

Cemfix BB+ 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.
- Non sag, can be used for vertical and horizontal surfaces.

Advantages

- Water resistant, will not be affected in wet areas.
- 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 and formaldehyde limits.

Standards

Cemfix BB+ complies with the requirements of:

- ASTM C387 as Mortar for Unit Masonry, Type M, S and N.
- ASTM C270 Type M, 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.

Technical Properties @ 25°C. W/P = 0.10:	
Colour:	Grey
Fresh wet density (mixed):	2.10 ± 0.10 g/cm³
Pot life:	1 - 2 hr
Compressive strength: ASTM C109/109M-02	> 40 MPa @ 7 days > 45 MPa @ 28 days
Flexural strength: ASTM C348	≥ 2.5 MPa @ 28 days
Tensile strength: ASTM C307	≥ 2 MPa @ 28 days
Maximum aggregate size:	3.0 mm
Setting time: ASTM C191	
Initial	6 - 7 hr
Final	8 - 9 hr
Temperature limitations:	Below 5°C and above 38°C

Mixing

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

2.5 - 3.0 litres (for each 25 kg bags) of clean water should be added to clean container. 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.
- Do not apply large areas of adhesives that cannot be covered within the open wet time of the adhesive.

Don Construction Products Qatar W.L.L
New Industrial Area,
Doha - Qatar

info.qatar@dcp-int.com

Cemfix BB+

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.

Cleaning

All tools should be cleaned immediately after use with fresh clean water.

Packaging

Cemfix BB+ is available in 25 and 50 kg bags.

Yield

Approximately 13 litres/25 kg bag.

Storage

Cemfix BB+ 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, contact DCP Technical Department for advice.

Cautions

Health and Safety

As Cemfix BB+ contains Portland cement and sand, Cemfix BB+ 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

Cemfix BB+ is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

Don Construction Products Qatar W.L.L
New Industrial Area,
Doha - Qatar

info.qatar@dcp-int.com

11-0075-A-2021