



# ExcelFlex

Doesn't get pulled down. By gravity or hurricanes.

Cement-based adhesive | For heavy stones and high-rise structures

Impact resistant

# ExcelFlex Flexible cement-based adhesive



## PRODUCT DESCRIPTION

ExcelFlex is a flexible, powdered adhesive for wall and floor applications. It is suitable for concrete, cement render, screeds, fibrous cement sheeting and Bostik approved waterproof membranes. ExcelFlex is recommended for all internal and external\* applications including bathrooms, toilets, laundries, kitchens, decks and verandahs. ExcelFlex is suitable for all types of tiles.

\*External applications must be covered and have appropriate falls to eliminate ponding water.

## FEATURES & BENEFITS

- Flexible, powdered adhesive can be used over Bostik approved waterproofing membranes
- Self curing
- Excellent rheology and workability
- Easy to spread

## RECOMMENDED FOR

- Concrete
- Cement render
- Fibrous cement sheeting
- Bostik approved waterproofing membranes



## SURFACE PREPARATION

All surfaces must be clean, dry, and free from dust, grease, wax, oil, laitance curing compounds and all other contaminants likely to prevent the adhesive bonding. Concrete should be allowed to cure for at least 28 days and cement to render for 7 days prior to tiling.

## MIXING

30 kg of ExcelFlex powder requires approximately 8.5-8.7 litres of water (280-290 ml of water/kg). Add pre-measured water to a clean mixing container and sprinkle ExcelFlex powder slowly into the liquid with constant stirring. Eliminate lumps. Mix to a thick toothpaste consistency. Allow to stand for two minutes. Then remix. The adhesive is now ready to use.

## APPLICATION

Apply the mixed adhesive to the prepared substrate using the appropriate notched trowel for the size of the tile being laid. A minimum of 3 mm bed thickness for walls and floors must be achieved. Ensure the bedded tiles are fully supported by the adhesive with no voids underneath or behind. Lay tiles into the adhesive before it skins. The adhesive may also need to be applied to the back of the tiles to accommodate the required levels. Do not disturb tiles until the adhesive has dried. Commence grouting after 24 hours when tilework is firm.

## COVERAGE

On site coverage will vary widely as it is dependant on a large number of variables. These include but are not limited to: application technique, substrate texture, wastage, trowel angle, trowel wear, contact coverage and flatness. As such the following coverage is intended as a guide only. It is advised that comparisons between products are based on the mixed volume.

3 kg powder per m<sup>2</sup> using a 6mmx6mm notched trowel.

6 kg powder per m<sup>2</sup> using a 12mmx12mm notched trowel.

## PERFORMANCE PROPERTIES

Appearance	White Powder
Bulk density	1.60 - 1.70 g/CC
Mix density	1.90 - 2.00 g/CC
Mixing ratio	3:1 by volume
Pot life	2 hours at 25°C and 50%RH
Open time	20-30 minutes at 25°C and 50%RH
Setting time	24 hours at 25°C and 50%RH
Tensile strength @ 28 days	>1 MPa
After immersion	>1 MPa
Packaging	10 Kg, 30 kg
Shelf life	12 months from the date of manufacturing for unopened bags stored in dry condition

**ABOUT BOSTIK :** Bostik is a leading global adhesive specialist in construction, industrial manufacturing, and consumer markets. We create innovative adhesives that make your world safer, efficient, flexible, and responsive to the dynamic challenges of daily life.

## Disclaimer

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. However, no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. No guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes.

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