

BondChem

PRODUCT DATA SHEET

BondFlex 2050 (Latex Modified Water Resistant, Flexible Tile Adhesive)

DESCRIPTION : **BondFlex 2050** is a specifically designed latex modified 2 component flexible, waterproof, thin/thick bed tile adhesive, designed to withstand normal vibration/movement in the substrate, where conventional adhesives set too rigid.

USES : **BondFlex 2050** is a high quality tile adhesive used for permanently fixing tiles. Typical uses are :

- For interior and exterior applications for both walls and floors.
- To fix tiles onto plasterboards, fibre cement sheets, timber floorboards, structural composition board, marine grade ply, gypsum boards & substrates, concrete, cement renders/screeds, brickwork, blockwork, hollow concrete blocks, old ceramic tiles, aluminum coverings and particular waterproofing membranes.
- For thin / thick bed fixing of all types of ceramic, mosaic, fully vitrified, porcelain, terracotta, slate, quarry and granite tiles.
- For fixing swimmingpool tiles, bathroom and kitchen tiles.

ADVANTAGES : **BondFlex 2050** is specially formulated to suit Middle East climatic conditions and provides the following advantages :

- Extremely good adhesion
- Reduced shrinkage
- Especially good for tiling onto resilient surfaces such as fibre cement sheeting, gyprock plaster and particular timber substrates.
- Enhanced tensile strength
- Ideal over timber floors
- Absorbs normal vibrations and reduces sound transmission
- Accommodates normal movement within the substrate
- Excellent water resistance, suitable for submerged conditions
- Improved Chemical & Mineral oil resistance
- Easy to use

APPLICABLE STANDARDS	BS 5980 : 1980. Class AA
TYPE	Two pack adhesive for on site mixing.
CHLORIDE CONTENT	Nil
SHELF LIFE & STORAGE	12 months minimum if stored properly in original unopened packing in dry conditions and Away from direct sunlight.
PACKAGING	20 kg powder bag + 5 kg liquid.

Chemically Engineered Products

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www.Bond-Chem.com

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APPLICATION

Substrate preparation All surface should be clean, sound and free from oil, grease, laitance and all loosely adhering or contaminating particles. Wallpaper and/or paint should be physically removed. Ensure that the substrate is capable of supporting the weight of adhesive and tiles. Tiling should only be done on all new construction after all shrinkage movement has taken place.

Mixing Mix powder component with liquid component (do not use water) by adding the powder to the liquid and mixing to a smooth and creamy paste preferably by a slow speed drill fitted with a suitable mixing paddle or by hand. Now about 0.4 to 1.4 ltrs. of clean water may be added to bring it to the desired consistency. Mix for 2 to 4 minutes until a uniform, lump free consistency is achieved. Leave to stand for 10 minutes, remix, then use the adhesive.

Application Apply BondFlex 2050 to a uniform depth of 2-6mm on a working area of not more than 1 square metre. This is then combed horizontally. Fix tiles by firmly pressing into place with a twisting motion, beginning at the bottom in the case of wall tiles, and at center markings in the case of floor tiles. Make sure that the back of each tile is not less than 75% in contact with the adhesive. Clean off surplus adhesive with a damp cloth.

For wall tiling a minimum final bed thickness of 2 mm and for floor tiling a minimum of 3 mm is recommended, except on/over timber or fibre cement sheet type floors where a minimum of 4 mm is recommended.

Movements joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385 and CP 202 .

Gypsum plaster boards and surfaces must be subjected to pre-treatment.

When fixing ceramic tiles to wooden flooring it is preferable to prime the wooden surface.

Leave for a minimum of 24 hrs to set before grouting ceramic wall/floor tiles with BC Vibgyor Grout.

Cleaning Clean all equipment and tools immediately with water after use.

Precautions Do not apply BondFlex 2050 in temperatures below 5°C.
Do not allow adhesive to skin prior to laying the tiles. If the adhesive skins, remove and dispose of it, then re-apply fresh adhesive.
It should not be exposed to moving water during application.

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CODE OF PRACTICE

Tiling and grouting should be carried out in accordance with up-to-date relevant British Standards or B.S. Codes of Practice, details of which can be obtained from British Standard Institute, British Standard House, 2 Park Street, London W.1.

WORKABILITY

Working time of BondFlex 2050 is about 20 minutes at 25degrees C, after 10 minutes standing time and tiles must be fixed in position before drying out occurs. For this reason, it is essential to work within a comparatively small area at a time.

COMPOSITION

Powder	It is a blend of Portland cement, graded sand and high organic polymer content additive, with thin / thick bed performance.
Liquid	Resins (polymer additives) & admixtures.

HEALTH & SAFETY PRECAUTIONS

This product contains Portland Cement which is slightly alkaline when wet. For people with sensitive skins continuous use may cause irritation. Gloves or suitable barrier cream should be used. As a general Code of Safety Practice all chemical products should be treated with care, kept away from children and animals, especially protect eyes and skin. In an emergency seek medical advice.

General Note :

This leaflet is a guide for the use of the product concerned. Whilst the information and / or specification given are to the best of our knowledge true, accurate and in accordance with latest technical developments, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use, method of application and any labour involved are beyond our control.

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