

# DUROSHEET BFM



## DESCRIPTION

Durotech BFM is a high performance sheet membrane with a unique innovate fleece facing design. Suited for waterproofing internal and external areas. The high strength butyl backing provides world class leading performance for a waterproofing system with outstanding resistance to movement and flexing. BFM system avoids down time for drying or curing, enabling surface finishes and adhesives to be applied directly over the sheet membrane. Durotech Under-Tile liquids such as the P15 Diamond and Durotech 007FC should be applied in conjunction with Durotech Duroseal Hybrid 50FC for joints, Flashing Tape Self-Adhesive & Durofabric Joint Seal Tape Bandage for detailing. Durotech approved adhesives, Direct Stick Tiles & Screeds can be applied directly onto the Durotech BFM Sheet.

## FEATURES & BENEFITS

- Self-Adhesive Application
- Self-Sealing Edge
- High Bond Strength
- Anti-Fracture Properties
- Excellent waterproof and vapour resistant properties
- No risk of “bleeding” as per bitumen based products
- No solvents, hazardous primers or adhesives emitting dangerous fumes
- No Dry-Time required for the BFM Sheet

## APPLICATION

- Wet Area Waterproofing
- Waterproofing over existing tiles
- Anti-fracture system
- Roof waterproofing non exposed
- Waterproofing balconies, decks

## SUBSTRATES

- Concrete
- Scyon, Compressed CFC sheeting
- Timber Sheeting
- Structural floor sheeting, CFC sheeting
- Soft and rigid plastics, PVC

## SURFACE PREPARATION

Durosheets BFM requires surfaces to be dried and free of surface moisture.

Surfaces must be prepared thoroughly before commencing application.

All substrates must be structurally sound, smooth, stable, dry, and clean. Rough surfaces and voids to be evened or filled first.

Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application.

All surfaces are to be free of sharp protruding objects, loose material, dirt, dust, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. All metals must be free of oils, grease and wax residues. Use suitable degreaser or isopropyl solution to ensure surfaces are free of residues before application commences.



## PRIMING

Priming is generally not required on metal, plastic and glazed surfaces that are clean, stable, free of residues and mechanically sound.

For porous surfaces – prime with Duromastic ARW. If surface dust is present after priming, apply an additional/second primer coat.

Damp surfaces with residual moisture – prime with Duromix WBE Hibuild Epoxy Primer. Ground concrete with rising damp must be prepared with Duromix WBE Hibuild Epoxy Primer.

\*Refer to relevant data sheets for specific primer application and coverage details or contact Durotech for more information.\*

## INSTALLATION

- Durosheets BFM sheet is to be adhered on all floor areas to be waterproofed, abutting edges of the walls of these areas.
- Ensure overlaps formed are aiding drainage of water and not creating counter gradient overlaps.
- Certify that the sheet is being unrolled and remove any creases or air bubbles with a flat trowel, heavy roller, dry sponge or float to ensure the sheet is firmly bonded to the substrate.
- BFM must be well pressed at overlaps, corners, edges and termination points.
- All sheet joints must have a minimum 50mm overlap. All overlaps and junctions are to be coated with 100mm wide of Durotech liquid membrane.
- The use of protection boards are recommended to be used for following trades, avoid placing tools and equipment on exposed Durosheets BFM.

## BOND BREAKER SYSTEM

The Durofabric Joint Seal Tape can be used at wall/floor junctions as the perimeter bond breaker. Using the 150mm or 80mm wide Durotech Flashing Tape Self-adhesive, create the internal corner junctions first and install in place. Then overlap sections of the tape overlapping the installed corners, pressing into place.

The Durofabric Joint Seal Tape can be used as the system bond breaker into a coat of Durotech liquid membrane, extending 150mm up walls and onto installed Durosheets BFM on floor.

For floor pipes protruding floors, Durofabric Pipe Collars are to be fitted over the neck of the pipe bonding a wet seal of Durotech liquid Under-Tile membrane. Once fixed, seal edges of the Durofabric Pipe Collars with a liberal coat of Durotech Liquid membranes.

For leak control flanges, Durofabric Butyl Squares are to be fitted directly over ensuring the interface between Durosheets BFM sheet and edge of flange is bridged. Seal the edges and complete face of Durofabric Butyl Square with a liberal coat of Durotech liquid Under-Tile membrane, turning the membrane down into the waste.

## TILING & SURFACE FINISHES

The Durosheets BFM membrane is compatible with a range of surface toppings, including tiles, adhesives and other decorative finishes. All finishes applied directly over the Durosheets BFM membrane must be solvent free.

Tile adhesives being directly fixed to the Durosheets BFM Sheet membrane are to be polymer modified. Pre-mixed adhesives and cement based compounds without any polymer enhancement are not to be used for direct adhesion to the membrane.

*Note: All tiling is to be carried out to AS3958.1 – 2007 “A Guide To The Installation of Ceramic Tiles”*



## STORAGE CONDITIONS

- Best stored at room temperature in dry internal conditions
- Product is best used within 12 months of purchase; however, properties of product will be unchanged if stored correctly
- Not affected by frost, or cold floors
- Keep product stored upright vertically to prevent creasing

## PACKAGING

- 10m x 1m Roll packed in cardboard cartons.
- Pallet 49 x 10m rolls

## PRECAUTIONS

- Not to be used as an exposed membrane to UV without UV stable membrane coating
- Not to be used as a trafficable surface
- Not to be used directly over expansion joints
- Concrete surfaces containing residual moisture must be sealed with Duromix WBE HIBUILD vapour barrier primer before applying membrane
- Do not apply solvent based finishes or adhesives directly over Durosheets BFM
- For further information that cannot be found in this data sheet, contact Technical Department of Durotech Industries