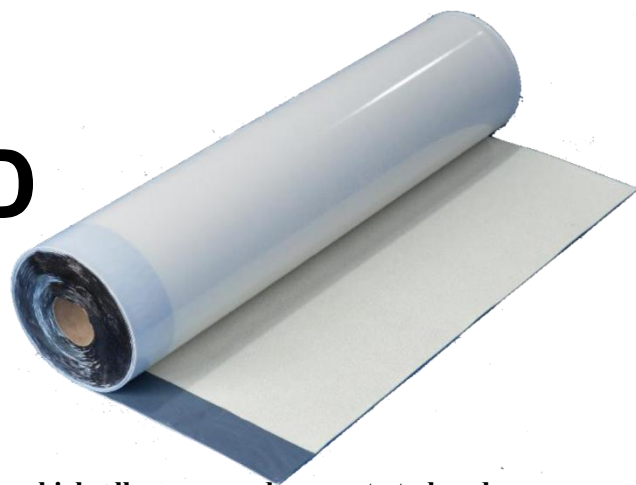


## PRODUCT DATA SHEET

# BFT - 46010HD

Sand-Surface Sheets:1.2mm



BFT-46010HD is a membrane with pressure sensitive adhesive which allows poured concrete to bond fully with the membrane. remaining in place if settlement of substrate occurs. And protects concrete from aggressive ground salts, chemicals and hydrocarbons. Pre-applied HDPE is supplied with a self adhesive selvedge along one side of the roll to provide sealed laps and a comprehensive range of auxiliary products to simplify the application process.

### CHARACTERISTICS & ADVANTAGES

- **Adhesive concrete tightly**  
To provide a vapour and waterproof membrane in building and civil engineering structures
- **No displacement during settlement**  
Forms a integral bond to poured concrete by pressure sensitive adhesive and remaining in place if settlement of the substrate occurs
- **Simple application**  
No primers or protection material Required
- **Inert product**  
No risk of a reaction with ponded waste prior to concrete being poured
- **Facilitates flexible construction programming**
- Full range of type available to provide complete solution to waterproofing of the structure.

### STORAGE

Store in original unopened packaging, in cool dry conditions, away from sunlight, in a flat position.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the tape. The concrete must be placed carefully and consolidated properly to avoid damage to the membrane.

Never use a sharp object to consolidate the concrete. Provide temporary protection from concrete over splash for areas of the tape that are adjacent to a concrete pour.

### PACKAGING AND DIMENSION

Roll Size: 1.2mm\*1.0m\*20m



## **PACKAGING AND DIMENSION**

Type	Test Method	Typical values
Thickness	/	1.2mm
Tensile strength	ASTM D412	18Mpa
Elongation	ASTM E154	600%
Puncture resistance	GB 23457-2017	350N
Peel Adhesion to concrete	ASTM D903 Modified	2.0N/mm
Resistance to hydrostatic head	GB 23457-2017	20kg
Low temperature flexibility	GB 23457-2017	< -25°C , No crack
Linear Dimensional changes	ASTM D1204	1%
UV exposure test (30 days)	ASTM G153	No change
Lap joint strength	GB 23457-2017	0.8N/mm

\*Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.

## **APPLICATION**

### **Surface preparation**

The Concrete surface should be foat finished and free from cavities and projecting ribs. All surfaces shall be dry and free from frost, surface laitance and contamination.

### **Membrane Application**

Horizontal Areas: HDPE is unrolled and placed in position. Each roll is overlapped by next layer by 75mm. Use Membrane HDPE sealed tape, where there is a cut joint by hot air shoveling to 100 mm width. Self Adhesive sanded tape may be used where necessary for corners and upstands. All overlaps and joints should be firmly rolled to ensure complete adhesion between layers.

### **General Instruction**

When laying adjacent full rolls there should be a stagger of half a roll length to avoid a build up of end joints in one area. Self Adhesive sanded tape may be used where necessary for corners and upstands.

### **Backfilling**

Backfilling material must be free from sharp objects and debris that could damage the BLF 6010 HDP. It should not contain house bricks, blocks or boulders larger than 50 mm.

### **End Overlaps**

Keep the Membrane HDPE Sealed Tape clean and protect it from being contaminated from dust before use. After applying the HDPE, unroll the tape and remove the release film and adhere to the end laps of the membrane. Use heavy hand pressure or a hand roller to maximize adhesion. Then remove the PE release film and overlap with the second membrane.