

Technical Data Sheet Issue Date: 17-01-05		Product Code: VT-420 VitalBand
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Product Description:

VT420 VitalBand is a black bituminous compound consists of self adhesive polymer modified bitumen layer coated on to a tough high density polyethylene film and covered by an aluminium foil.

It is economical, cold applied instant flashing tape which is ready to use to waterproof with outstanding durability. VitalBand provides excellent adhesion, improved heat resistance, tear and puncture resistance, and chemical resistance to chlorides, sulphates, alkalis and acids.

Applications:

Protection: Asphalt, brickwork, concrete, fiber cement sheet, metal and plastic materials, roofs and covering, etc.

Sealing & Waterproofing: Glass & plastic windows frame, parapets, skylight structures etc.

Repair Work: Metal and fiber cement sheet roofing, shingles, gutters and metal tube etc.

VitalBand is generally used as waterproofing and damp proofing membranes intended for concrete protection. It may be used for horizontal and vertical application and as a damp proof course for tanking below ground structure, subways and retaining walls.

Specification & Properties:

APPEARANCE	BLACK TAPE
SURFACE	PE COATED ALUMINIUM
ODOR	ASPHALT ODOR
ROLL LENGTH	10 M
ROLL WIDTH	50 mm, 75 mm, 100 mm
THICKNESS	1.5 mm
SOFTENING POINT (ASTM D36)	110°C
ADHESION STRENGTH (ASTM D1000)	2.4 N/mm
PUNCTURE RESISTANCE (ASTM E154)	220 N
CRACK BRIDGING ABILITY (ASTM C836)	1 mm
TENSILE STRENGTH	
MEMBRANE (ASTM D638)	2500 KPa
FILM (ASTM D638)	23 MPa
ELONGATION (ASTM D638)	300%
ENVIRONMENTAL RESISTANCE (ASTM D543)	PASS
WATER ABSORPTION (ASTM D570)	0.02 % AFTER 24 HOURS

Preparation:

Surface Preparation: The surface must be clean, dry and free of dirt, grease, oil and water. Crack wider than 3mm should be filled before applying the VitalBand.

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Directions:

The application temperature should be between 5°C to 45°C. The installation procedures are to be as follows:

1. Unroll only the required length, and cut the tape to the desired length.
2. Place the tape on the area to be covered, and check whether they match with the profile of the marked substrate.
3. Remove the release paper and press it into position using fingertip pressure.
4. If necessary, use a seam roller to smooth over VitalBand to ensure good contact is made.

Wet material and all tools and equipment may be cleaned up with white spirit.

The maximum durability is obtained when ambient as well as surface temperatures at the time of application and for a minimum of 36 hours after application is above 5°C.

Safety and first aid directions:

Non-hazardous and non-flammable

Avoid contact with eyes, skin and mouth.

Use in well ventilated area. In case of contact with eyes, flush with water immediately for 15 minutes. If irritation persists, seek medical attention. If swallowed, get medical attention.

Keep out of reach of children.

Storage:

Store under cover, in dry and cool place at temperature 22°C. Use within 12 months from date of production.

**READ AND FOLLOW DIRECTIONS CAREFULLY
REFER TO MSDS FOR PROPER HANDLING**

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