

KWA – ZULU NATAL

T: 031 701 2619

E: natal@mccc-sa.co.za

**Unit 7, Marlmead, 4 Reed Place,
Maxmead, Pinetown, 3610**



**MULTI CONSTRUCTION
CHEMICALS**

<http://www.mcc-sa.co.za>

MULTIFLEX WATERPROOF BANDAGE

Bandage Sealing System for irregular and unconventional joints

Description

Multiflex joint sealing system consists of two products - Multiflex Waterproof Bandage and Multipoxy 1927.

The Multiflex Bandage is a highly elastic, rot proof and chemically resistant sealing membrane. Multipoxy 1927 is a two part epoxy compound which establishes a strong bond to various types of substrate.

Fields of Application

- Sealing of construction joints, expansion joints, cracks and crevices etc. Adheres to many types of substrates such as concrete mortar, plaster work, steel, iron, aluminum, stoneware, glass and epoxy.
- Typical uses are for concrete tanks, cast and cement-pipe connections, bridge decks, tunnels, water towers and reservoirs, ponds, silos, containers, secondary tanks.

Application

Mix Multipoxy 1927 adhesive thoroughly, following the guidelines of the manufacturer. Apply the well mixed Multipoxy 1927 on both sides along the joint or crack on the prepared substrate, preferably with a notched trowel or spatula. Layer thickness should be about 1-2mm.

When sealing cracks, narrow joints, the Multiflex Bandage should not be bonded along the centre line of tape. A minimum unbonded width of 20mm is recommended to allow for expansion and contraction.

Wipe the edges of the tape with Multi Thinners 1600 then place the clean and well-aired tape immediately into the adhesive layer and press well with a roller. For very wide joints draw tape suitably into the joint so that a hollow is formed.

By warming up the membrane, it can be stretched over slight irregularities of the substrate. The same method can be used in case of corners, cavities, pipe crossing.

If individual tapes have to be connected into longer pieces (also T-pieces etc.) they can be easily welded using a hot air blower.

In case of negative water pressure (more than 0.3 bar) back up the membrane with an adequate support e.g. steel sheet etc., in particular if joints are subject to large movement.

Multiflex Bandage can be applied on dry or slightly humid substrates. It is ideal for joints with very large expansion or irregular, broken joint flanks. Multiflex Bandage is grey coloured, weather and waterproof.

Advantages

- Durable
- Long lasting elasticity, even at high temperatures Root resistant
- Resistant to a wide range of chemicals
- Cost effective
- Approved for use with portable water Easy to apply
- User friendly head welding of tape overlaps
- Can be applied horizontally, vertically and even overhead

Typical Properties

Shore hardness A (ISO 868)	Ca.80
Tensile Strength (DIN 53504 S2)	>6 N/mm*
Elongation at break (DIN53504S2)	Ca. 600%
Resistance to further cracking (DIN53363)	Ca.600N/cm
Accelerated weathering (SIA 280/280-10)-50°C	No cracks
Compatibility with Bitumen	Compatible
UV resistance (SIA 280-10)	No tears
Resistance to micro organisms (SIA 280-17)	Resistant
Water absorption (Internal H&S method)	Very low absorption
Heat Ageging (SIA 280-8)	5% for 1mm thickness 3% for 2mm thickness
Ozone resistance (SIA-7)	Level 0 for 1 & 2mm thickness

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