



Concrete Works
Construction Chemicals
Private Limited

CWC®SMART BAND

High Performance Elastomeric Joint Sealing Tape

CWC®SMART BAND is a high performance waterproofing tape based on functional thermoplastic elastomer for applications of sealing joints and cracks in areas exposed to high water pressure and thermal movement. The product is suitable for outside applications under high physical demands like elasticity, tensile strength, resistance against many chemical substances and other outside influences. The product is fusible with hot air and can be bonded to itself with suitable adhesives.

Indicative Characteristics

Color	Grey
Available width(s)	200mm & 300 mm
Thickness (approx.)	1mm
Material weight	950g/m ²
Breaking load DIN EN ISO 527-3, Longitudinal & Transverse (L&T)	12 N/mm ²
Elongation at break, DIN EN ISO 527-3 L&T	>500%
Power Absorption at 25% Elasticity, Lateral, DIN EN ISO 527-3	4N/mm
Power Absorption at 50% Elasticity, Lateral, DIN EN ISO 527-3	4.2N/mm
Resistance to Tearing (L&T), DIN EN 12310-2	>80 N
Resistance to Impact, DIN EN 12691	Passes test
Bond Strength, DIN EN 1248	>4N/mm ²
Fire Classification	B2

Domains of Application

- Waterproofing of internal old and new joints of water tanks, reservoirs, swimming pools, etc.
- Sealing Joints of underwater concrete structures, large concrete decks, car parks, tunnels, roofs, podiums.
- Repairing and sealing of joints where structural movement is very high
- Ideal sealing tape where joints are wider than 40mm.

Method of Application

Surface Preparation

The surface must be abraded and cleaned for good contact with adhesive. Any sharp protrusions such as nails, tying wire, etc. should be removed. Cracked concrete should be repaired and any depressions must be filled with mortar. External sharp edges must be chamfered. It is important that the surface is free of oils, grease and dust. Any moisture or condensation must be dried before commencing preparation works. Slabs must be totally dry as moisture left may be trapped inside.

Application

Mix **CWC®SMART FLEX- EPA** adhesive as per recommended proportion. Cover the joints with masking tape with 10mm of extra on both sides of the joint. For example, if the width of joint is 50mm, 65-75mm masking tape should be used to cover the joints. Apply adhesive on both sides of joint with 1-2mm thickness with a spatula or putty knife. Width of applied adhesive should be 5-10mm more from the edge of either side of **CWC®SMART BAND**. Remove the masking tape before application of **CWC®SMART BAND**. On both sides of joints at least 40mm **CWC®SMART BAND TAPE** should be embedded in adhesive.



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In case of crack (width less than 10mm) repair, use 20mm width masking tape to cover the crack before application of adhesive. Similar width of masking tape shall be used alongside of the joints or crack on **CWC®SMART BAND** to avoid application of adhesive over **CWC®SMART BAND**. Cover the **CWC®SMART BAND** with **CWC®SMART FLEX-EPA** adhesive with a thickness of 1-2mm. After Application of Adhesive, remove masking tape from **CWC®SMART BAND**.

Lap Joints

Minimum Lap joints should be 50mm **CWC®SMART BAND** is fusible with standard hot air dryer (with minimum of 2300 watt). It is important to select a low temperature setting so that only the surface of the tape melts in order not to affect the tightness of the product. Separate processing instructions will follow.

Advantages

- Excellent elasticity accommodates high structural movement
- Very good low temperature flexibility and high temperature stability
- Excellent weather and chemical including wide pH range resistance
- Does not rot

Resistance to root penetration.

Shelf Life & Storage

24 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Packing

200mm x 20m, 300mm x 20m roll

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.cwcchemicals.com