

X-Seal JointBand

Joint sealing and protection system

Product Description

X-Seal JointBand is a high performance joint sealing and protection system for use in a variety of applications. The system comprises X-Shield BugFill epoxy adhesive and X-Seal JointBand, a Hypalon elastomeric membrane.

Advantages

- Durable resilient seal
- Accepts multi dimensional movement
- Can be applied to damp substrates
- Can be used on a variety of substrates
- Can be used beneath asphalt
- Excellent application characteristics
- Can be used in contact with potable water
- Resistant to a wide range of chemicals
- Available in several widths and thicknesses

Uses

- High movement joints
- Joints subject to chemical attack
- Repair of failed joints
- Specification Compliance BS6920

Specification Compliance

BS 6920

Laboratory Test Data

Properties	Typical Results
Elongation	>400 %
Tensile strength	>7MPa
Bond to sandblasted steel	>7Mpa
Bond to concrete	Bond failure occurs within the concrete substrate

Sizes

Thickness: 1 and 2mm.

Width: 100, 150, 200 and 250mm.

Packaging

20m rolls.

Shelf Life

X-Shield BugFill: 18 months when stored below 25°C under shade in a dry environment.

X-Seal JointBand: Indefinite when stored below 25°C under shade in a dry environment.

Installation Guidelines

NCC X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only. Also refer to the X-Shield BugFill datasheet.

Surface Preparation

The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be prepared by wire brushing, grit blasting, grinding, needle gun or high pressure water blasting to produce an exposed aggregate surface.

Priming

Priming is not normally required. If the concrete is friable or very porous a primer may be required. Contact NCC X-Calibur for a site inspection and recommendations.

Membrane Preparation

Cut the JointBand membrane to the required length, then clean the edge to be bonded by wiping with X-Seal Solvent. Allow to dry for 1 hour before bedding into the adhesive. If left for more than 8 hours, the membrane edges must be cleaned again. Prepare any joints in advance by allowing a minimum 50mm overlap. The joints can only be made using a hot air welding tool. Pressure should be applied to the joint as it is being formed, to ensure maximum bond.

Mixing

Refer to the X-Shield BugFill datasheet.

Application

Mask the area where the adhesive is to be placed i.e. a minimum of 45mm from the edge of the joint (40mm bonded area plus 5mm for featheredge). With a 6mm notched trowel spread a 2 to 3mm layer of adhesive over the masked area. After spreading the adhesive, immediately place the JointBand membrane, and using a hard roller, roll firmly to allow extrusion of the adhesive through the edge perforations of the membrane. Apply a second layer of adhesive on top of the first to give a total adhesive minimum thickness of 4mm and finish using a steel trowel. Remove the central release film from the JointBand membrane. Remove the masking tape and feather-edge the adhesive to extend at least 5mm beyond the outer edge of the JointBand membrane.

Note: In joints subject to high movement it may be necessary to oversize the JointBand membrane and de-bond the membrane a certain distance from the joint edge. Please contact NCC X-Calibur for specific information.

Cleaning

Clean equipment using X-Seal Solvent.

Limitations

Do not apply to concrete substrates that are less than 28 days old.

Do not apply to wet substrates.

Do not apply in rain or wet conditions or at temperatures below 10°C.

Do not fully immerse the joint sealant until full cure is achieved.

Do not expose joint to traffic without the use of a suitable cover plate.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Chemicals **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Chemicals shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.