

Corroboard BI20

Bitumen impregnated joint filler board

Reference No.	TDS / SFB / CBBI20
Issue Date:	December 2015
Revision No.	5

Product Features

Corroboard BI20 is an economical, semi-rigid, bitumen impregnated board, designed as a joint filler material particularly for expansion joints in concrete that also provides support and accurate depth measurement for subsequent joint sealant materials.

Corroboard BI20 has a minimum bitumen content of 20% to give moisture and damp resistance.

Complies to ASTM D 1751 (for compression, extrusion and recovery only).

Typical Uses

Corroboard BI20 is typically used to fill expansion and movement joints in in-situ or pre-cast concrete, particularly on large civil engineering structures such as bridges, tunnels and dams.

Technical Data		
Properties	Test Standards	Typical Values
Colour		: brown
Size		: 1.22 m x 2.20 m
Thickness		: 12 mm, 19 mm and 25 mm
Density	ASTM D 545	: 306.3 kg/m ³
Extrusion	ASTM D 545	: < 6.40 mm
Recovery	ASTM D 545	: > 70%
Compressive strength	ASTM D 545	: approx. 580 psi

Note: All values given are subject to 5 - 10% tolerance.

Directions for Use

Preparation

To form expansion joints in concrete, construct one side of the joint prior to fixing **Corroboard BI20**.

Application

New expansion joints

Cut the **Corroboard BI20** using a sharp knife or hand saw to the desired length and shape to fill the full depth of the expansion joint.

A contact adhesive such as **Corrofix** can be used to spot bond the **Corroboard BI20** in place. Allow the contact adhesive to set before constructing the other side of the joint.

Corrofix can also be used to spot bond multiple sheets together to create non standard thicknesses.

After concreting the other side of the joint, rake out the board to the same depth as the sealant that will be applied to finish the joint.

Apply a bond tape to the bottom of the joint on top of the **Corroboard BI20**, and seal the joint with an appropriate sealant from the **Corroseal** range.

For existing expansion joints in concrete and for all joints in brickwork, blockwork and masonry, in accordance with BS 5628 – 3: 2001 The Code of practice for use of masonry, we recommend using a closed cell polyethylene filler board such as **Corrocell**, as it has higher compression & recovery, without the risk of load transfer or reflective cracking through the designed joint.

Cleaning

Clean tools and equipment used for **Corrofix** immediately after use with **Corroclean**.

Limitations

Avoid application if the work area may be subject to the onset of rain or moving water.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

Estimating

Corroboard BI20 sheet size: 1.22 m x 2.2 m sheet in 12, 19 & 25 mm thicknesses.

Corrofix pack size: 15kg pail. Coverage rate approximately 5 - 7 m² per kg (spot bonding will be more economical)

Sheet sizes may vary slightly. Please check for stock and availability of sizes and thicknesses.

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for adhesives.

Health & Safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

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Storage

Corroboard BI20 has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.