

Fosroc® Hydrocor™ Corkjoint™ Type 106



constructive solutions

Self expanding cork joint filler

Uses

Forming and filling expansion and static joints in:

- Water retaining structures
- Water excluding structures
- Roads, bridges and car parks
- Internal or external traffic areas

Advantages

- Greater expansion than Type 3 - expands to seal joints
- Supports sealants subject to hydrostatic pressure
- Will not extrude under pressure
- Light weight and easy to handle
- Resilient and waterproof

Description

Hydrocor Corkjoint Type 106 is a joint filler and sealer made from cork granules, reinforced and bound together with insoluble, synthetic resin.

Hydrocor Corkjoint Type 106 expands when exposed to moisture and provides the necessary semi-rigid, void-free backing for elastomeric sealants subject to hydrostatic pressures.

Hydrocor Corkjoint Type 106 does not necessarily need additional joint sealants in some applications.

Standards Compliance

Australian Dept of Housing & Construction Spec. RA SS 106

ASTM D1752 - Type 3

Design Criteria

Water retaining structures

Hydrocor Corkjoint Type 106 provides semi-rigid backing essential to joint sealing system in dams, reservoirs, culverts, canals, sea walls and water treatment or storage structures. Used in conjunction with suitable joint sealer.

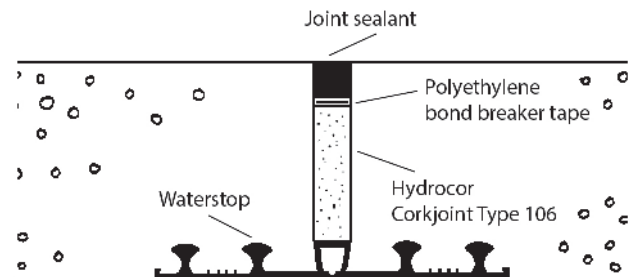
Internal & external traffic areas

Hydrocor Corkjoint Type 106 provides the necessary support for joint sealants subject to pedestrian or wheeled traffic. Where traffic loads may be high it is preferable to recess the joint sealant approximately 2mm below the surface to avoid direct abrasion.

Water excluding structures

Hydrocor Corkjoint Type 106 is suitable for filling expansion joints in basements, subways and site slabs.

Example of sealed expansion joint:



Properties

Form:	Compressible sheet, resin bonded cork
Recovery after 50% compression:	Greater than 90%, less than 6 mm (under test conditions)
Extrusion at 50% compression:	Less than 1mm in use
Load required to compress to 50%:	1 - 2 MPa
Expansion in boiling water (1 hour):	40% minimum
Expansion in cold water (72 hours):	24% minimum

Application Instructions

Do not remove waterproof wrapping from the product until immediately prior to fixing. **Hydrocor Corkjoint Type 106** must be fixed against one section of concrete after shutter removal.

Hydrocor Corkjoint Type 106 is fixed in place by bonding to concrete using a construction adhesive. The next section of concrete is then poured in place with minimal delays, directly against the **Hydrocor Corkjoint Type 106**. After initial cure of the concrete, the top section of the filler is removed by power grinder or saw to form a sealing slot of the required dimensions.

To avoid the cutting or grinding step, **Hydrocor Corkjoint Type 106** may be initially placed below concrete surface (at depth of required sealing slot) then another section of filler, timber or polystyrene foam placed above the fixed **Hydrocor Corkjoint Type 106**, reaching to the concrete surface. This unattached top section of filler is easily removed once concrete has cured.

Note: **Fosroc Bond Breaker Tape** must be applied over the **Hydrocor Corkjoint Type 106** prior to application of the joint sealant. See individual sealant Technical Data Sheets for details.

Fosroc[®] Hydrocor[™] Corkjoint[™] Type 106

Limitations

Hydrocor Corkjoint Type 106 may cause staining of the surrounding concrete in damp conditions, especially light coloured concrete or where exposed aggregate finishes are produced by high pressure hosing. Staining usually disappears after 6-8 weeks normal weathering. **Fosroc Hydrocell**, a non staining polyethelene foam filler may be more suitable in such applications.

Supply

Hydrocor Corkjoint Type 106 is made to order in sizes from 50mm to 610mm in width; thicknesses of 12mm, 15mm and 20mm. Standard length is 915mm.

Storage

Hydrocor Corkjoint Type 106 should be stored in original packaging and kept in cool, dry conditions.

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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