

am FLEXSWELL R/B

DESCRIPTION

am FLEXSWELL R/B waterstop is a special sealing compound. It is ideal for horizontal and vertical construction joints for cast-in-situ concrete.

When exposed to moisture, **am FLEXSWELL R/B** expands to form a compression seal in concrete joints in a controlled manner. Being a hydrophilic polymer based waterstop, it will not expand to a point that it causes the waterstop to 'disintegrate'.

The typical expansion characteristics when exposed to potable water is as follows:

- 7 days – 118% movement
 - 14 days – 131% expansion
 - 28 days – 142% expansion
 - 56 days – 177% expansion
- (Note: 100% indicates original size and depending on type R or B)

USES

Typical applications of **am FLEXSWELL R/B** in horizontal and vertical construction joints:

- Tunnels
- Box culverts / manholes / pits
- Retaining walls
- New to old concrete
- Poured in-situ construction joints
- Above & below grade precast panels

ADVANTAGES

- Very easy to handle and install
- Excellent applications to rough concrete surfaces
- Can be bedded into wet concrete
- Allows concrete to gain strength before expansion
- No compaction or displacement problems
- No on-site welding required as with PVC waterstops
- No split forming required
- Non toxic and requires no special handling

METHOD OF USE

When installing **am FLEXSWELL R/B**, it is important to provide a minimum of 50mm clear cover to the face of concrete due to its expansive forces.

Surface Preparation

Ensure that dust, oil and foreign materials are removed.

Application

am FLEXSWELL R/B is to be adhered to the first concrete pour with **am FLEXSWELL R/B** primer/adhesive.

Apply a coat of **am FLEXSWELL R/B** primer/adhesive (for type R) 30mm wide onto the concrete surface and one coat to the surface of the **am FLEXSWELL R/B**. Wait for both surfaces to be touch dry before adhering. For vertical joints, it may be necessary to secure **am FLEXSWELL R/B** with nails prior to the drying of adhesive.

To ensure full contact of **am FLEXSWELL R/B** with the adhesive, press firmly onto **am FLEXSWELL R/B** into position. There must be no visible gaps between **am FLEXSWELL R/B** and concrete surface.

Do not stretch the **am** FLEXSWELL R/B during application. The protective paper layer cover on the **am** FLEXSWELL R/B waterstop can be removed anytime prior to the second pour of concrete taking place.

Once the **am** FLEXSWELL R/B adhesive/primer has dried, the second pour of concrete can be applied. Upon pouring, make sure the concrete is properly compacted and vibrated around the **am** FLEXSWELL R/B waterstop.

SPECIFICATIONS	
Colour	Black / Dark Brown
Size	25 x 19 / 20 x 15 / 20 x 10
Specific Gravity	1.40 / 1.45 (ASTM D-71)
Hydrocarbon Content	47% (Type R) (ASTM D-297)
Volatile matter	1% maximum (ASTM D-6)
Penetration Cone @ 77°F, 150gm; 5 second	40 ± 5 (ASTM D-217)
Head Pressure	Tested to 60m
Application Temperature	-22°C to 52°C
Service Temperature	-34°C to 82°C

PACKING

am FLEXSWELL R/B comes in 25mm x 19mm (R) x 5m rolls (6 rolls per carton) / 20mm x 15mm (B) x 6m roll. / 20mm x 10mm (R) x 6m.



022 - 021
Eco-Friendly Building Material
Minimum 20% Recycled Content

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