



Megaswell 1020X

Description

Megaswell 1020X is a hydrophilic bentonite waterstop strip designed to seal construction joints in concrete structures.

Manufactured from premium sodium bentonite and polymer rubber, the strip expands upon contact with water to form an active seal that blocks water ingress through non-moving construction joints.

Product Features

- Expands up to 300% when exposed to water
- Forms an active, self-sealing barrier
- Simple installation with no welding required
- Flexible and easy to cut to length
- Suitable for irregular substrates
- Durable and cost-effective

Technical Information:

Water Swell Capacity	Up to 300%
Maximum Swelling Ratio	Up to 400%
Hydrostatic Pressure Resistance	Up to 1.5 MPa
Density	1.6 ± 0.1 g/cm³
Heat Resistance No flow at 80°C	2 hours
Low Temperature Flexibility	No crack @ -20°C
Colour	Black

Maintains integrity after prolonged immersion

Applications

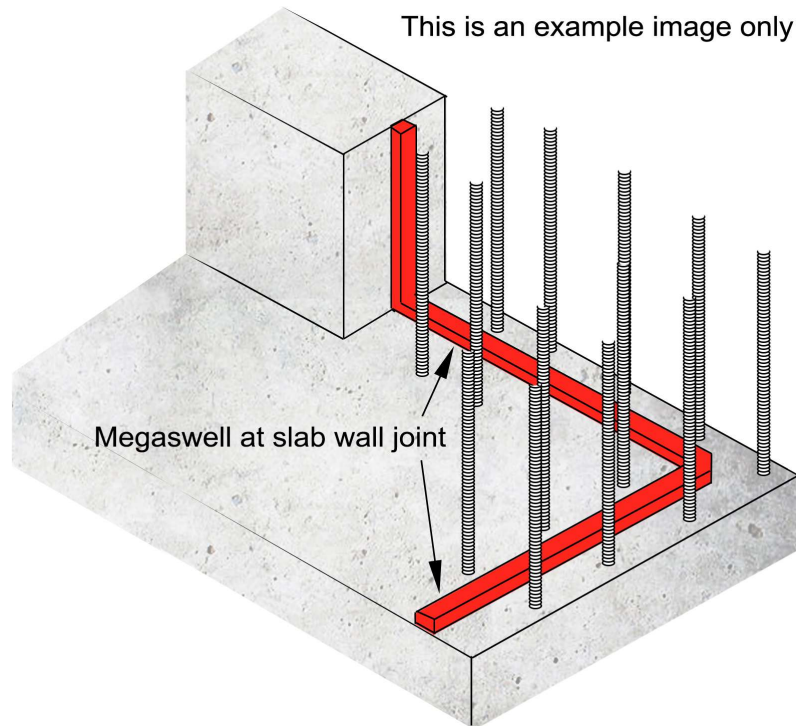
- Construction joints in concrete walls and slabs
- Basement and retaining walls
- Water tanks and wastewater treatment structures
- Lift pits and elevator shafts
- Tunnels and underground structures
- Pipe penetrations and cable ducts
- Precast concrete elements
- Pile caps, king posts and sheet pile joints

Composition

- Hydrophilic sodium bentonite combined with synthetic polymer rubber
- Standard profile: 10mm × 20mm
- Standard roll length: 7.2m
- Packaging: 7 rolls per carton

Installation Guidelines

1. Ensure the substrate is sound, clean, and free from dust, laitance, oil, and loose material
2. Position Megaswell 1020X centrally within the concrete joint with a minimum 50mm concrete cover
3. Fix in place using Megatape Double Sided Butyl, Sealproof SMP or concrete nails at regular intervals
4. Butt-joint strip ends tightly to maintain continuity. Do not overlap unless specifically approved
5. Protect from premature contact with water prior to concrete placement
6. Pour concrete carefully to avoid displacement



Limitations

- Intended for non-moving construction joints only
- Must not be exposed to standing water before concrete placement
- Not suitable for expansion joints
- Ensure Megaswell is positioned so that it is surrounded by at least 50 mm of concrete on all sides

Storage and Shelf Life

Store in original packaging in a cool, dry location out of direct sunlight. Shelf life is 12 months when stored correctly.

Limited Warranty

The information contained in this Technical Data Sheet is based on current knowledge and experience and is provided in good faith. It is intended as general guidance only and may be updated without notice.

Megaswell 1020X is warranted to be free from manufacturing defects in material and workmanship at the time of supply. As site conditions, substrate quality, installation methods and product use are beyond our control, no warranty is given as to the performance of the product in any particular application.

Users are responsible for determining the suitability of the product for their intended use and should carry out their own testing where appropriate. Our liability is limited, at our option, to the replacement of defective product or a refund of the original purchase price. To the fullest extent permitted by law, we are not liable for any indirect, consequential or incidental loss or damage arising from the use of this product. Any claim relating to defective product must be made in writing within 30 days of the defect being discovered or reasonably capable of being discovered.

Disclaimer: *The information provided in this Technical Data Sheet is based on current knowledge and experience. It is intended as a general guide only. Users should conduct their own tests to confirm product suitability for specific applications. The WaterStop Shop accepts no liability for misuse of the product.*