



# Idenden 10-188

## WATER BASED STRUCTURAL ADHESIVE

Date: 19 August 2020

Fact Sheet No.: TDS00676

### YOUR SMART ADVANTAGES

- Fire tested
- Semi-flexible and water resistant when dry
- Wide service temperature range

### USES

Bostik 10-188 Water Based Structural Adhesive is a rapid drying, water borne, trowelling grade co-polymer adhesive with a wide range of uses, including bonding foam, cork, felt and fibrous slabs to themselves or to wood, glass, painted metal, rigid plastics or to building surfaces. Bostik 10-188 Water Based Structural Adhesive is off-white in colour and is supplied as a trowel grade paste. It remains semi-flexible when dry, and exhibits very good water resistance.


### PRODUCT CHARACTERISTICS

Colour	Off white
Form	Trowel grade heavy paste
Specific Gravity	1.25 approx.
Composition	Co-polymer emulsion
Viscosity	Approx. 940P (Brookfield RVT 20rpm at 25°C)
Product Code	30813919 10 litre bucket
Storage/Shelf Life	Store and transport securely in an upright position. Ensure the lid is secure. Store for up to 24 months from date of manufacture in original, unopened packaging in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost.

### TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	Above +5°C
Service Temperature	-15°C to +80°C (depending on operating conditions)
Coverage	Up to 1m <sup>2</sup> per litre (depending on substrate, application technique and performance requirements)
Drying Times	Bond: 2 to 10 minutes Through dry: Approx. 2 hours (depending on film thickness and drying conditions)
Fire Tests	Dry: When used for its intended purpose does not detract from the surface spread of flame characteristics.  Independently tested to BS 476: Part 6 - Pass Part 7 - Class 1  Building Regulations: Class 0  When tested on product coated onto calcium silicate boards in one coat, each coat at 1m <sup>2</sup> per litre. Results will vary when applied at different rates and/or onto other substrates.  UL classified Adhesives R38035  Surface burning characteristics for building materials UL723



	Inorganic Reinforced Cement Board Flame spread 20 Smoke developed 50-165 Tested as applied at coverage of 45ft.2/gal. Flash point of finished adhesive (closed cup) less than -23°C.
Eurofins VOC Testing	Bostik 10-188 Water Based Structural Adhesive has independent test certification to confirm it meets the low VOC content as specified in LEED 2009 credit EQ c 4.1 (adhesives and sealants). The VOC content is below the limit value specified as 70 grams/litre (less water) for 'Multipurpose Construction Adhesives'. The Test Report - LEED 2009 EQ c4.1, SCAQMD rule 1168 states the VOC of Bostik 10-188, less water, less exempt compounds, as <1g/l. The test method LEED 2009 EQ c4.1 / ASTM D2369, (the latter as utilised in EPA Method 24 (40 CFR 60) for VOC measurement).
Dubai Central Laboratory VOC content	37 g/l 
Cleaning	Clean tools and equipment with water immediately after use. Cured adhesive can be removed with white spirit.

For further details, contact Bostik Technical Services Department.

- NOTE: When bonding high density fibrous insulants or rigid foam insulants apply Bostik 10-188 Water Based Structural Adhesive to the insulant by notched trowel (with 3 mm teeth) and immediately place into position and apply firm hand pressure.
- When bonding fibrous slabs to masonry surfaces apply to masonry surface only and press slab into wet adhesive. If foil faced slabs are used, allow 24 to 36 hours for moisture to dissipate before completing the vapour barrier with Bostik Self-Adhesive Aluminium Foil Tape.

#### CLEANING

- Clean tools and equipment with water immediately after use.
- Cured adhesive can be removed with white spirit.

#### PRECAUTIONS IN USE

Do not apply Bostik 10-188 Water Based Structural Adhesive in wet weather.

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.com/uk](http://www.bostik.com/uk) for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik 10-188 Water Based Structural Adhesive, available at [www.bostik.com/uk](http://www.bostik.com/uk).

#### DIRECTIONS FOR USE

IMPORTANT: Before using Bostik 10-188 Water Based Structural Adhesive, refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk).

#### PREPARATION


- Surfaces must be clean, dry and free from dust, oil, grease and any loose materials.
- Stir adhesive thoroughly before use.

#### APPLICATION

- For the majority of applications, 100% surface coverage at the rate of around 1 square metre per litre is necessary. For applications such as low density fibrous insulation to metal ducting, or foamed insulation panels to walls where panels are standing on the floor it is acceptable to apply adhesive at the reduced rate of 2 square metres per litre, at 50% coverage in a cross-hatch pattern. The application rate can be up to 5 square metres per litre depending on insulation density.

**BOSTIK HOTLINE**

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