



# Idenden 10-188

## WATER-BASED INSULATION ADHESIVE

TECHNICAL SHEET NO: TDS00676 14/04/2023

### SMART ADVANTAGES

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


### DESCRIPTION

Bostik 10-188 Water-Based Insulation Adhesive is a rapid drying, water-borne, trowelling grade co-polymer adhesive with a wide range of uses. It will bond 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 Insulation 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.



### TECHNICAL CHARACTERISTICS

<b>Colour</b>	Off white
<b>Form</b>	Trowel grade heavy paste
<b>Specific gravity</b>	1.25 approx.
<b>Composition</b>	Co-polymer emulsion
<b>Viscosity</b>	Approx. 940P (Brookfield RVT 20rpm at +25°C)
<b>Application temperature</b>	Above +5°C
<b>Service temperature</b>	-15°C to +80°C (depending on operating conditions)
<b>Drying time</b>	Bond: 2 to 10 minutes Through dry: Approx. 2 hours (depending on adhesive thickness and drying conditions)
<b>Fire tests</b>	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

	<p>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</p> <p>UL Classified Adhesives R38035</p> <p>Surface burning characteristics for building materials, UL723.</p> <p>Applied to inorganic reinforced cement board  Flame spread 20  Smoke developed 50-165  Tested as applied at coverage of 45ft.<sup>2</sup> per US gal.  Flash point of finished adhesive (closed cup) less than -23°C</p>
<b>Eurofins VOC testing</b>	<p>Bostik 10-188 Water-Based Insulation 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 &lt;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)</p>
<b>Dubai Central Laboratory VOC content</b>	<p>37g/l</p> 

#### COVERAGE

- Up to 1m<sup>2</sup> per litre (depending on substrate, application technique and performance requirements)

#### APPLICATION

IMPORTANT: Before using Bostik 10-188 Water-Based Insulation 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. For further details, contact Bostik Technical Services.
- NOTE: When bonding high-density fibrous insulants or rigid foam insulants, apply Bostik 10-188 Water-Based Insulation Adhesive to the insulant by notched trowel (with 3mm teeth), 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 warm water immediately after use. Cured adhesive can be removed with white spirit.

#### STORAGE

- 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.

#### PRECAUTIONS IN USE

Do not apply Bostik 10-188 Water-Based Insulation 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 Insulation Adhesive, available at [www.bostik.com/uk](http://www.bostik.com/uk).

#### PACKAGING

Product codes	30813919	10 litre bucket
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Sales	Tel: 0844 371 1192	<a href="mailto:customer.service@bostik.com">customer.service@bostik.com</a>
Technical Advice	Tel: 0844 371 1197	<a href="mailto:technical.service@bostik.com">technical.service@bostik.com</a>
Safety Data Sheets	Tel: 01785 272625	<a href="mailto:sds.box-eu@bostik.com">sds.box-eu@bostik.com</a>

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**Bostik Ltd**  
Common Road,  
Stafford, ST16 3EH, UK  
Phone: +44 (0)1785 272625  
[www.bostik.com/uk](http://www.bostik.com/uk)

**BOSTIK HOTLINE**

**Smart help +44 (0)1785 272625**



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