



Idenden 30-90

VAPO-SEAL COATING

TECHNICAL SHEET NO: TDS00690 19/02/2024

SMART ADVANTAGES

- Fire tested
- Provides durable and flexible water-based finish
- Internal use

DESCRIPTION

Bostik 30-90 Vapo-Seal Coating is a high quality, acrylic emulsion coating. The coating is ideal for applications in the thermal insulation industry to seal internal insulated piping, equipment and air conditioning ducting. The coating can be used on faced or unfaced insulation, in two coat applications to sandwich reinforcing membranes such as glass cloth scrim. It provides a suitable water barrier for HVAC applications. In areas of prolonged high humidity, e.g., external applications or where the insulated system contains chilled water, refrigerant etc. a true water vapour barrier is recommended such as Bostik ET-150 Sprayable Vapour Barrier Coating, Bostik 30-150 Brushable Vapour Barrier Coating, or Bostik 30-316 Aquashield Vapour Barrier Coating. The dried film is washable and resistant to mould and insect attack.



TECHNICAL CHARACTERISTICS

Colour	White
Form	Thixotropic liquid
Specific gravity	1.36 approx.
Composition	Acrylic emulsion
Viscosity	Approx. 500P (Brookfield RVT 5rpm at +20°C)
Application temperature	Above +5°C
Service temperature	-20°C to +90°C (depending on operating conditions)
Drying time	Touch dry: 30 to 120 minutes Through dry: 6 to 8 hours (depending on coating thickness and drying conditions)
Fire tests	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 two coats, each coat at 3.4m ² per litre. Results will vary when applied at different rates and/or onto other substrates

	<p>UL Classified General Purpose Coatings R38034</p>  <p>Surface burning characteristics for building materials, UL723.</p> <p>Applied to 1/4 in. inorganic reinforced cement board</p> <table border="0"> <tr><td>Flame spread</td><td>5</td></tr> <tr><td>Smoke developed</td><td>Zero</td></tr> <tr><td>Rate per coat (ft.² per gal)</td><td>75</td></tr> </table> <p>* Number of coats 2</p> <p>Flash point of liquid coating (closed cup): no flash to boiling</p> <p>Bostik 30-90 Vapo-Seal Coating meets the requirements of NFPA 90A and 90B (2018 edition) for a flame spread index of less than 25 and a smoke developed index of less than 50, when tested to ANSI/UL 723, Standard for Test for Surface Burning Characteristics of Building Materials by Underwriter's Laboratories</p>	Flame spread	5	Smoke developed	Zero	Rate per coat (ft. ² per gal)	75
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Smoke developed	Zero						
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<p>Dubai Central Laboratory VOC content</p>	<p>12g/l</p> 						
<p>Water vapour permeance</p>	<p>Bostik 30-90 Vapo-Seal Coating has been designed as a breather coating for internal applications. It is resistant therefore to water penetration, but allows small quantities of water vapour to pass through it. It has a water vapour permeance in excess of 0.22 U.S perms (0.013 g/sMN) at 1mm dry film thickness (ASTM E96 Method A)</p>						

COVERAGE

- 2.5 to 5.5m² per litre, per coat (depending on substrate, application technique, number of coats and performance requirements)

APPLICATION

IMPORTANT: Before using Bostik 30-90 Vapo-Seal Coating, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

PREPARATION

- Surfaces must be clean, dry and free from dust, oil, grease and any loose materials.
- Bostik 30-90 Vapo-Seal Coating is only suitable for internal use, unless overpainted by an additional solvent or water-based coating.

APPLICATION

Faced insulation:

- Using a brush, apply Bostik 30-90 generously to the entire insulation surface, taking care to paste down any overlap joints.
- Apply a second coat of Bostik 30-90 after the first is dry to the touch, and within 24 hours.

Unfaced insulation:

- Cut a reinforcement membrane such as a scrim canvas or glass cloth to size and using a brush apply Bostik 30-90 generously to one side.
- Position the reinforcement membrane, coated side down, and pull tight around the insulation to avoid wrinkling.
- Immediately apply a second coat of Bostik 30-90 to the entire surface.

Spray instructions:

- Bostik 30-90 may be sprayed with a variety of airless spray systems. However, the following system has proved successful:

PUMP:	Airlessco 5100 / Graco 1095
FLUID HOSE:	7mm up to 15m, 9mm over 15m
GUN:	Airlessco 007
TIP:	0.017 – 0.021 Reverse-a-quick nozzle

- During spraying, wear suitable personal protective equipment, including respiratory equipment, and protect adjacent surfaces.

CLEANING

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

STORAGE

- Store and transport securely in an upright position. Ensure the lid is secure. Store for up to 18 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

NOTE: Bostik 30-90 Vapo-Seal Coating is only suitable for internal use unless overpainted by an additional solvent or water-based coating. It is not suitable for use on floors.

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit 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 30-90 Vapo-Seal Coating, available at www.bostik.com/uk.

PACKAGING

Product codes	30813600	19 litre drums
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