



Idenden 30-90

VAPO-SEAL COATING

Date: 19 August 2020

Fact Sheet No.: TDS00690

YOUR SMART ADVANTAGES

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

USES

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.

PRODUCT CHARACTERISTICS

Colour	White
Form	Thixotropic liquid
Specific Gravity	1.36 approx.
Composition	Acrylic emulsion
Viscosity	Approx. 500P (Brookfield RVT 5rpm at 20°C)
Product Code	30813600 19 litre drums
Storage/Shelf Life	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.
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TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	Above +5°C
Service Temperature	-20°C to +90°C (depending on operating conditions)
Coverage	2.5 – 5.5m ² per litre per coat (depending on substrate, application technique, number of coats and performance requirements)
Drying Times	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. UL classified General Purpose Coatings R38034 Surface burning characteristics for



building materials UL723	
1/4 in. Inorganic Reinforced Cement Board	
Flame spread	5
Smoke developed	Zero
Rate Per Coat (ft.2/gal)	75
* Number of Coats	2
Flash point of liquid coating (closed cup): No Flash To Boil.	

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.

Dubai Central Laboratory VOC content

12 g/l



Water Vapour Permeance

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).

Cleaning

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

DIRECTIONS FOR USE

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

PREPARATION

1. Surfaces must be clean, dry and free from dust, oil, grease and any loose materials.
2. 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:

3. Using a brush apply Bostik 30-90 Vapo-Seal Coating generously to the entire insulation surface, taking care

to paste down any overlap joints.

4. Apply a second coat of Bostik 30-90 Vapo-Seal Coating after the first is dry to the touch and within 24 hours.

Unfaced insulation:

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

Spray instructions:

8. Bostik 30-90 Vapo-Seal Coating 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 diameter up to 15m hose length 9mm diameter over 15m hose length
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 from overspray.

CLEANING

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

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. Bostik 30-90 Vapo-Seal Coating 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.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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