



Idenden ET-150AF

SPRAYABLE VAPOUR BARRIER COATING

TECHNICAL SHEET NO: TDS01529 25/10/2024

SMART ADVANTAGES

- Fire tested
- Excellent mould resistance
- Internal and external use



DESCRIPTION

Bostik ET-150AF Sprayable Vapour Barrier Coating is ideal for applications in the thermal insulation industry as a vapour barrier coating for internal and external insulated piping, equipment and air conditioning ducting. It is also suitable as an asbestos encapsulant. It is easily applied by spray or brush to provide a durable and flexible, water-resistant finish over a wide service temperature range.



TECHNICAL CHARACTERISTICS

Colour	White
Form	Thixotropic liquid
Specific gravity	1.26 approx.
Composition	Co-polymer emulsion
Viscosity	Approx. 600P (Brookfield RVT 5rpm at +20°C)
Application temperature	Above +5°C (external work should not be completed in poor drying conditions, or when rain is imminent)
Service temperature	-29°C to +80°C (depending on operating conditions)
Drying time	Touch dry: approx. 2 hours Through dry: approx. 24 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 3.2m ² per litre. Results will vary when

	<p>applied at different rates and/or onto other substrates</p> <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> <tr> <td>Flame spread</td><td>30</td></tr> <tr> <td>Smoke developed</td><td>20</td></tr> <tr> <td>Rate per coat (ft.² per gal)</td><td>45</td></tr> <tr> <td>* Number of coats</td><td>2</td></tr> </table> <p>Flash point of liquid coating (closed cup): no flash to boiling</p>	Flame spread	30	Smoke developed	20	Rate per coat (ft. ² per gal)	45	* Number of coats	2
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Fungal resistance	ASTM G21 resistance to fungal growth - zero rating, no fungal growth								
Dubai Central Laboratory VOC content	<p>9g/l</p> 								
Water vapour permeance	<p>Bostik ET-150AF Sprayable Vapour Barrier 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 of 0.16 U.S perms (0.0092 g/sMN) at 1mm dry film thickness (ASTM E96 Method A)</p>								

COVERAGE

- 2.5 to 4.0m² per litre, per coat (depending on substrate, application technique, number of coats and performance requirements)

APPLICATION

IMPORTANT: Before using Bostik ET-150AF Sprayable Vapour Barrier 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.
- External work should not be completed in poor drying conditions, or when rain is imminent.

APPLICATION

- Optimal performance is achieved by applying a minimum of two coats, each at a rate of 3.2m² per litre, to achieve a dry film thickness of 0.5mm.

Spray instructions:

- When spraying Bostik ET-150AF Sprayable Vapour Barrier Coating, Bostik recommend you seek advice on suitable

spraying equipment from your local distributor or specialist spraying equipment supplier.

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

Pipe or duct insulation:

- Using spray or brush, apply Bostik ET-150AF Sprayable Vapour Barrier Coating to the entire surface.
- Embed a reinforcement membrane such as scrim canvas or glass cloth into the wet coat, taking care to smooth out all wrinkles. Overlap all seams and joints by 50mm.
- Apply a second coat of Bostik ET-150AF Sprayable Vapour Barrier Coating after the first is touch dry and within 24 hours.

Asbestos encapsulation:

- Only sound asbestos should be coated, and surface preparation & application must be in line with local authority and national regulations.
- Apply Bostik PVA as per the instructions on the Product Data Sheet.
- Using spray or brush, apply Bostik ET-150AF Sprayable Vapour Barrier Coating to the entire surface, ensuring any small crevices are properly coated.
- Apply a second coat of Bostik ET-150AF Sprayable Vapour Barrier Coating the following day.
- Areas subject to mechanical damage, such as joints may require additional protection with a reinforcement membrane.

Dryness test:

- A dried film can be tested by gently rubbing the coating with a clean, damp rag. If no colour is removed, the film has dried effectively and will exhibit good water resistance.
- When used externally, adequate temporary protection/tenting should be provided as Bostik ET-150AF Sprayable Vapour Barrier Coating dries. This will prevent damage from precipitation and aid good film formation and through drying.

CLEANING

- Clean tools and equipment with warm water immediately after use. Remove excess coating whilst it is still wet. Cured coating can be removed with white spirit.

STORAGE

- Store and transport securely in an upright position. Ensure the lid 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

Do not allow standing water to form on Bostik ET-150AF Sprayable Vapour Barrier Coating coated surfaces. Ensure the upper surface is shaped to make a 15° slope prior to application of coating. It is not suitable for use on floors.

Removal or encapsulation of asbestos containing material, dismantling of any confinement structure and disposal of both

asbestos and contaminated materials must be carried out strictly within current regulations & codes of practice and only by an approved contractor.

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 ET-150AF Sprayable Vapour Barrier Coating, available at www.bostik.com/uk.

PACKAGING		
Product codes	30811813	19 litre drums

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