



Idenden ET-150

SPRAYABLE VAPOUR BARRIER COATING

TECHNICAL SHEET NO: TDS00640 14/04/2023

SMART ADVANTAGES

- Fire tested
- Dries to form a flexible, durable water-resistant finish
- Internal and external use

DESCRIPTION

Bostik ET-150 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, black & grey
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

	applied at different rates and/or onto other substrates
VOC testing	Bostik ET-150 Sprayable Vapour Barrier Coating showed low VOC contents in a test specified in LEED 2009 EQ c 4.2 (paints and coatings). The VOC content is below the limit value specified as 50 grams/litre (less water) for 'Flat Topcoats': VOC g/l: 42
Water vapour permeance	Bostik ET-150 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)

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-150 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.

APPLICATION

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

Spray instructions:

- Bostik ET-150 Sprayable Vapour Barrier 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:	9mm diameter up to 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 ensure to protect any adjacent surfaces.

Pipe or duct insulation:

- Using spray or brush, apply Bostik ET-150 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-150 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-150 Sprayable Vapour Barrier Coating to the entire surface, ensuring any small crevices are properly coated.
- Apply a second coat of Bostik ET-150 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-150 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. 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

Use of a different colour of Bostik ET-150 Sprayable Vapour Barrier Coating is recommended for the second coat, to ensure complete coverage is achieved.

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

NOTE: Removal or encapsulation of asbestos containing material, dismantling of any confinement structure and disposal of both asbestos and contaminated materials must be done strictly within current regulations and 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-150 Sprayable Vapour Barrier Coating, available at www.bostik.com/uk.

PACKAGING		
Product codes	30811811	White 10L bucket
	30811809	Black 10L bucket
	30811810	Grey 10L bucket

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