

# Idenden ET-150

## SPRAYABLE VAPOUR BARRIER COATING

Date: 22 January 2020

Fact Sheet No.: TDS00640

### YOUR SMART ADVANTAGES

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

### USES

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.

### PRODUCT CHARACTERISTICS

Colour	White, black and grey
Form	Thixotropic liquid
Specific Gravity	1.26 approx.
Composition	Co-polymer emulsion
Viscosity	Approx. 600P (Brookfield RVT 5rpm at 20°C)
Product Code	30811811 White 10L 30811809 Black 10L 30811810 Grey 10L
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.
<b>TYPICAL PERFORMANCE DATA (Approx.)</b>	
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 +82°C
Coverage	2.5 - 4.0m <sup>2</sup> per litre per coat (depending on substrate and performance requirements)
Drying Times	Touch Dry: Approx. 2 hours Through Dry: Approx. 24 hours
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 as two coats, each coat at 3.2m <sup>2</sup> 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).
Cleaning	When Wet: Water When Dry: White spirit

## DIRECTIONS FOR USE

**IMPORTANT:** Before using Bostik ET-150 Sprayable Vapour Barrier Coating, refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk).

## PREPARATION

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

## COVERAGE

2. Optimal Bostik ET-150 Sprayable Vapour Barrier Coating performance is achieved by applying this minimum coverage rate:

### Internal:

3. Apply two coats, each at a rate of 3.2m<sup>2</sup> per litre to achieve a dry film thickness of 0.5mm.

### External:

4. Apply two coats, each at a rate of 3.2m<sup>2</sup> per litre to achieve a dry film thickness of 0.5mm.

### Spray Instructions:

5. Bostik ET-150 Sprayable Vapour Barrier Coating may be sprayed with a variety of airless spray systems. However, the following system has proved successful:

<b>PUMP:</b>	Airlessco 5100 / Graco Ultra 1095
<b>FLUID HOSE:</b>	9mm diameter up to 15m hose length
<b>GUN:</b>	Airlessco 007
<b>TIP:</b>	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.

## APPLICATION

### Pipe or Duct Insulation:

6. Using spray or brush, apply Bostik ET-150 Sprayable Vapour Barrier Coating to the entire surface.
7. 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.
8. Apply a second coat of Bostik ET-150 Sprayable Vapour Barrier Coating after the first is touch dry and within 24 hours.

### Asbestos Encapsulation:

9. Only sound asbestos should be coated, and surface preparation and application must be in line with local authority and national regulations.

10. Apply Bostik PVA as per the instructions on the Product Data Sheet.
11. Using spray or brush, apply Bostik ET-150 Sprayable Vapour Barrier to the entire surface ensuring all small crevices are properly coated.
12. Apply a second coat of Bostik ET-150 Sprayable Vapour Barrier Coating the following day.
13. Areas subject to mechanical damage such as joints may require additional protection with a reinforcement membrane.

### Dryness Test:

14. 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.
15. 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

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

## 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.

Bostik ET-150 Sprayable Vapour Barrier Coating 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 should be done strictly within current regulations and codes of practice and only by an approved contactor.

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 Idenden Sprayable Vapour Barrier Coating ET-150, available at [www.bostik.com/uk](http://www.bostik.com/uk).

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

Sales	Tel: 0844 371 1192	Fax: 01785 241818	<a href="mailto:customer.service@bostik.com">customer.service@bostik.com</a>
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	<a href="mailto:technical.service@bostik.com">technical.service@bostik.com</a>
Safety Data Sheets	Tel: 01785 272625	Fax: 01785 212962	<a href="mailto:sds.box-eu@bostik.com">sds.box-eu@bostik.com</a>