



Idenden ET-150

SPRAYABLE VAPOUR BARRIER COATING

Date: 10 November 2015

Fact Sheet No.: TDS00640

YOUR SMART ADVANTAGES

- Fire Rated
- 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												
Product Code	<table border="0"> <tr> <td>30811811</td> <td>White</td> <td>10 Litre</td> </tr> <tr> <td>30811809</td> <td>Black</td> <td>10 Litre</td> </tr> <tr> <td>30811810</td> <td>Grey</td> <td>10 Litre</td> </tr> <tr> <td>30811812</td> <td>White</td> <td>19 Litre</td> </tr> </table>	30811811	White	10 Litre	30811809	Black	10 Litre	30811810	Grey	10 Litre	30811812	White	19 Litre
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30811810	Grey	10 Litre											
30811812	White	19 Litre											
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 when stored in original, unopened packaging under cool, dry conditions within the temperature range of +5°C to +25°C and out of direct sunlight. Protect from frost.												

TYPICAL PERFORMANCE DATA (Approx.)

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	0.5 - 4.0m ² per litre per coat (depending on substrate and performance requirements)
Drying Times	Touch Dry: Approx. 2 hours Through Dry: Approx. 24 hours
Solvent for Cleaning Up	When Wet: Water When Dry: White spirit
Fire Certification	Independently tested to BS 476: Part 6 - Pass Part 7 - Class 1 Building Regulations: Class 0 ASTM E84-07 (Surface Burning Characteristics of Building Materials), Class A.
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 0.6 perms (0.034 g/sMN) at 1mm dry film thickness (ASTM E96 Method A)



FM 01696
BS EN ISO 9001:2008

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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.co.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 2m² per litre to achieve a dry film thickness of 0.5mm.

External:

4. Apply two coats, the first at a rate of 1m² per litre and the second at a rate of 1.5m² per litre to achieve a dry film thickness of 0.8mm.

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:

PUMP:	Airlessco 5100 / Graco Ultra 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.

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 should be in line with local authority regulations.
10. Apply Bostik 30-17 PVA Sealer 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 application equipment and remove excess uncured coating with cold water.
17. Cured coating can be removed using 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.

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 contractor.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.co.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.co.uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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