

PRODUCT DATA

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IDENDEN SPRAYABLE VAPOUR BARRIER COATING ET-150

Idenden Sprayable Vapour Barrier Coating ET-150 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. Idenden Sprayable Vapour Barrier Coating ET-150 is a high quality polymer emulsion available in white, grey and black. It is easily applied by spray or brush to provide a durable and flexible, water-resistant finish over a wide service temperature range. Idenden Sprayable Vapour Barrier Coating ET-150 has Class 0 compliance and therefore dries to form a flame resistant finish.

Features

- Easily applied by spray or brush
- Dries to form a flexible, durable and water-resistant finish
- Solvent free
- Class 0 compliance

Coverage

0.5 – 4.0 square metres per litre per coat (depending on substrate and performance requirements)

Water Vapour Permeance (0.034 g/sMN) (0.6 perms) at 1 mm dry film thickness (ASTM E96 Method A)

Product Characteristics

Colour White, black and grey

Form Thixotropic liquid

Weight per litre 1.26 kg
60% solids

Composition Co-polymer emulsion

Packaging 10 litre polybuckets & 19 litre drums

Shelf life/storage At least 12 months from date of manufacture when stored unopened in a cool, dry place within the temperature range +5°C to +25°C and out of direct sunlight. PROTECT FROM FROST

LEED IEQ 4.2

Idenden Sprayable Vapour Barrier Coating ET-150 meets the requirements for LEED IEQ 4.2 Low Emitting Materials, Adhesives and Sealants

Solvent for cleaning up *Wet:* Water
Dry: White spirit

Directions for use

IMPORTANT

Before embarking on any work involving Idenden Sprayable Vapour Barrier Coating ET-150, the separate Safety Data Sheet should be carefully studied by those carrying out the work.

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

2. A) PIPE OR DUCT INSULATION

Using spray or brush, apply Idenden Sprayable Vapour Barrier Coating ET-150 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 50 mm. Apply a second coat of Idenden Sprayable Vapour Barrier Coating ET-150 after the first is touch dry and within 24 hours.

B) ASBESTOS ENCAPSULATION

Only sound asbestos should be coated, and surface preparation should be in line with local authority regulations. Apply Idenden PVA Sealer 30-17 as per the instructions on the Product Data Sheet. Using spray or brush, apply Idenden Sprayable Vapour Barrier Coating ET-150 to the entire surface ensuring any small crevices are properly coated. Apply a second coat of Idenden Sprayable Vapour Barrier Coating ET-150 the following day. Areas subject to mechanical damage such as joints may require additional protection with a reinforcement membrane.

3. COVERAGE

Optimal performance is achieved by applying this minimum coverage rate:

Typical Performance Data (approx.)

Drying time *Touch:* 2 hours
Through: 24 hours

Service temperature -29°C to +82°C

Application temperature Above +5°C (external work should not be completed in poor drying conditions or when rain is imminent)

Reaction to fire *Wet:* Non-flammable
Dry: Independently tested to BS 476 Part 6 – Pass
Part 7 – Class 1
Building regulations – Class 0

ASTM E84 (Surface Burning of Building Materials), Class A

ASTM is technically equivalent to NFPA No. 255 and UL723

See final page for disclaimer.

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INTERNAL - Apply two coats, each at a rate of 2 square metres per litre l to achieve a dry film thickness of 0.5 mm.

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

4. SPRAY INSTRUCTIONS

Idenden Sprayable Vapour Barrier Coating ET-150 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 respiratory equipment.

5. 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 Idenden Sprayable Vapour Barrier Coating ET-150 dries. This will prevent damage from precipitation and aid good film formation and through drying.

6. Clean application equipment and remove excess uncured coating with cold water and cured coating with white spirit.

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

Do not allow standing water to form on Idenden Sprayable Vapour Barrier Coating ET-150 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.

Precautions in Use

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate health and safety data sheet for Idenden Sprayable Vapour Barrier Coating ET-150.

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