

PRODUCT DATA

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IDENDEN PROTECTIVE SEALER COATING ET-10

Idenden Protective Sealer Coating ET-10 is a premium quality, white acrylic emulsion coating. The coating is ideal for applications in the thermal insulation industry as a protective sealer of internally located insulated piping, equipment and air conditioning ducting, and also as an asbestos encapsulant in the asbestos abatement sector. Idenden Protective Sealer Coating ET-10 is quick and easy to apply using brush or spray. The fast drying film forms a homogeneous coating that demonstrates improved flame retardancy and durability, thus improving the tensile strength and impact resistance of insulated piping, equipment and air conditioning ducting. The dried film is washable and is resistant to mould and insect attack. The coating can be used on faced or unfaced insulation in two coat applications to sandwich reinforcing membranes such as scrim canvas or glass cloth. Idenden Protective Sealer Coating ET-10 provides an adequate water vapour barrier for HVAC applications. In areas of prolonged high humidity, e.g. external applications or where the insulated piping, equipment and air conditioning ducting contains chilled water, refrigerant, etc. a true water vapour barrier is recommended such as Idenden Sprayable Vapour Barrier Coating ET-150, Idenden Brushable Vapour Barrier Coating 30-150 or Idenden Aquashield Vapour Barrier Coating 30-316. Idenden Protective Sealer Coating ET-10 has been extensively tested to various fire standards including International Maritime (IMO) and Naval Engineering Standards (NES).

Features

- Fast drying
- Excellent coverage
- Wide service temperature range
- Quick and easy to apply
- Class '0' reaction to fire
- IMO – Surface Flammability Part 5
- NES 713 – Toxicity Index
- NES 711 – Smoke Index

Reaction to fire

Wet: Non-flammable

Dry: Independently tested to BS 476
 Part 6 – Pass
 Part 7 – Class 1
 Building regulations – Class 0

Coverage

2.6 – 5.1 square metres per litre per coat (depending on substrate and performance requirements)

Water Vapour Permeance

Idenden Protective Sealer Coating ET-10 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 in excess of 1 perm (0.067 g/sMN)

Product Characteristics

Colour	White
Form	Thixotropic liquid
Weight per litre	1.33 kg 55% solids
Composition	Acrylic co-polymer emulsion
Packaging	5 and 10 litre polybuckets
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 Protective Sealer Coating ET-10 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 Protective Sealer Coating ET-10, the separate Safety Data Sheet should be carefully studied by those carrying out the work.

Typical Performance Data (approx.)

Drying time	<i>Touch:</i> 30-120 minutes <i>Through:</i> 6-8 hours
Service temperature	-20°C to +90°C
Application temperature	Above +5°C

1. Surfaces should be clean, dry and free from dust, oil, grease and any loose materials.
2. A) FACED INSULATION
 Using a brush apply Idenden Protective Sealer Coating ET-10 generously to the entire insulation surface, taking care to paste down any overlap joints. Apply a second coat of Idenden Protective Sealer Coating ET-10 after the first is dry to the touch and within 24 hours.

See final page for disclaimer.

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B) UNFACED INSULATION

Cut a reinforcement membrane such as scrim canvas or glass cloth to size, and using a brush apply Idenden Protective Sealer Coating ET-10 generously to one side. Position the reinforcement membrane, coated side down, and pull tight around the insulation to avoid wrinkling. Immediately apply a second coat of Idenden Protective Sealer Coating ET-10 to the entire surface.

3. SPRAY INSTRUCTIONS

Idenden Protective Sealer Coating ET-10 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:	7 mm up to 15 m 9 mm over 15 m
Gun:	Airlessco 007
Tip:	0.017-0.021 Reverse-a-quick nozzle

During spraying wear suitable respiratory equipment.

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

NOTE: Wear suitable mask when spraying.

NOTE: The coating is only suitable for internal use unless over-painted by an additional solvented or water based 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 Protective Sealer Coating ET-10.

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