

Technical Data Sheet

AS-2507 Epoxy Moisture Barrier



Physical Properties

Appearance:
 White (Resin)
 Dark grey (Hardener)

Colour:
 Grey (after mix)

Storage:
 Provided the product is stored dry and cool in air-tight containers, the storage stability will be at least 12 months (before mixing) from day of delivery.

Shelf life:
 12 months

Application temperature:
 10 – 30 °C

Packaging:

Content	Quantity/ carton
4L set (2L resin, 2L hardener)	3 sets

Description

AS-2507 Epoxy Moisture Barrier is a solvent-free, two-component epoxy moisture barrier that is specially formulated to form a protective coating against both moisture and vapour on flooring foundations. It has excellent adhesion and prepares the surface for subsequent flooring adhesives.

Features

- ♦ 1:1 mixing ratio
- ♦ Excellent water vapour retardant (ASTM E96/E96M-16)
- ♦ Solvent-free
- ♦ Low odour
- ♦ Non-flammable
- ♦ Bonds to most substrates

Applications

Suitable as a moisture barrier layer for various applications such as timber, vinyl flooring, concrete, fibre cement, stone, masonry, structural plywood, brick, etc. It also promotes adhesion for porous substrates such as concrete.

Technical Data

Specific gravity	: 1.13 (Resin) 1.16 (Hardener)
Colour	: White (Resin) Grey (Hardener)
After mix colour	: Light grey
Mixing ratio	: 1 : 1
Working time	: Approx. 30 mins
Touch dry	: 4 hours at 25 °C
Recoat time	: Minimum 4 hours at 25 °C
Cure time	: Minimum 24 hours at 25 °C
Application temperature	: 10 – 30 °C
Water vapour transmission rate (ASTM E96/E96M-16)	: 0.082 g / (m ² .h)
Wet film thickness	: 300 microns
Coverage	: Approx. 3m ² per litre (single layer application)
VOC Content	: <50 g/L (calculated)

Usage Instructions

Substrate Preparation

- Concrete must be at least 28 days old and clean, free of dirt, grease, oil, or standing water.
- Moisture content in slab must be less than 5.5%.
- Repair any cracks if any, before application.

Mixing

- Use clean containers for mixing. Mix materials with mechanical mixing equipment.
- Stir both components individually well before mixing.
- Mix only the amount of material that can be applied within limited "open time". Do not re-work set or hardened material; remove such material from the site.
- Scrape the slides of the container and continue to mix for a few minutes.



AS-2507 Epoxy Moisture Barrier

Applying

1. Apply the mixture using either a brush or roller with the coverage of approximately 3m² per litre.
2. Regularly check the wet film to ensure a minimum of 300 microns.
3. Allow the base coat to cure a minimum of 4 hours. Make sure the first layer is dry before applying the second coat at right angles of the first coat.
4. Very porous concrete may require 3 layers of coating for maximum effectiveness.
5. Allow the final coat to dry for at least 24 hours before applying other adhesives or treatment chemicals. The flooring installation must be done within 24 to 72 hours from the last coat.

Clean Up

Clean tools immediately with water after use. Cured adhesive can only be removed mechanically.

Limitation

Not recommended for applications below 10 °C or above 85% humidity. AS-2507 is not a trafficable surface and must be covered with conventional floor or wall tiles. AS-2507 may turn yellowish when exposed to sunlight or UV light over time.

Caution

Resin

Causes skin irritation. May cause allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands, forearms, and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Get medical advice/attention. Collect spillage.

Hardener

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. IF SWALLOWED: rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Specific treatment (see supplemental first aid instruction on this label).

Disclaimer

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.