

MONNELI ASFABIT

Cold Applied Bitumen Emulsion

Product Description

A cold applied water based bitumen with special additives. It is a blend of selected bitumen emulsified with water to give an easily applied protective coating. Once cured, ASFABIT forms a seamless film with great adhesion to the substrate.

Uses

ASFABIT can be used as a:

- General waterproofing and protective coating for concrete, screeds, masonry, metal surfaces, pipes and many other surfaces.
- As vapor/salt barrier and damp proofing behind granite, marble, curtain walls, etc.
- Sealer for concrete before applying the top finishing coats.
- Protective coating to concrete slabs above false ceiling, bulk heads etc.
- Primer for all bitumen membrane application
- As curing compound for freshly cast concrete

Advantages

- Economical
- Easily to apply
- Contains no solvents
- Excellent adhesion
- Can be applied over damp surface
- Compatible with all bituminous products
- Cured film resists water, diluted acids, alkalis and chloride
- Anti-fungal and anti-bacterial
- Damp proofing application

Instructions for Use

Surface Preparation

The surface of the concrete shall be sound, clean and uncontaminated.

This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base.

Moss and lichen must be removed physically followed by treatment with fungicidal wash. After treatment, it must be washed down thoroughly with clean water and allow to dry.

Priming

Hot, very dry or porous surfaces should be primed before applying ASFABIT.

Mixing

ASFABIT should be stirred before use until a uniform color and consistency is achieved. Product is ready for use.

Application

For waterproofing underground structures, the bituminous emulsion shall be applied by brush or squeegee at a maximum rate of 200 microns per coat. The two coats must be applied at right angles to one another with a minimum of 6 hours intervals between each application at 35°C. Ensure that coat is completely dry before the next coat is applied.

Cleaning

Clean the tools immediately after use with clean water. During work, it is recommended to place the tools in water while not in use. Cured materials can be removed mechanically.

Recommendation

- Do not apply subsequent applications if the membrane is punctured or damaged.

Technical Data

Properties	Results
Appearance	Dark brown dries to seamless black coating
Density at 25°C	1.01 kg/L
VOC	10.0 g/L
Solid content	30% ± 2
Flash point	Non flammable
Elongation (ASTM D412)	600%
Tensile adhesion strength	>2.0 N/mm ²
Service temperature	−5°C to +80°C
Application temperature	+5°C to +45°C

All values are subject to 5-10% tolerance

Applicable Standards

- ASTM D 2939 & D 1227
- ASTM C 309-93

Consumption

2 – 4 m² / Liter depending on porosity of substrate.

Packaging

ASFABIT is packed in 200 Liter drums.

Storage

Should be stored under cover away from extreme heat, direct sunlight or frost. Shelf life is 12 months if stored tightly sealed containers under good storage conditions.

Health & Safety

ASFABIT is non-flammable, non-hazardous product. However, proper measures should be taken during work to avoid contact with eyes or skin.

In the event of contact with eyes, irrigate immediately with clean water and seek medical care.

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