

## MONNELI ASFABIT EM

*Emulsified Thixotropic Flexible Protective Barrier to Vapor Transmission*

### Product Description

ASFABIT EM is an emulsified thixotropic bitumen protective coating. The coating dries to form a black flexible protective film. The finished film forms a tough barrier to vapor transmission.

### Uses

- Used for providing dampproofing for below ground concrete structures which are above the water table.
- Protective coating for built-up roofing systems and other exposed surfaces.
- The coating is also used as a moisture vapor barrier on block works and concrete surfaces prior to cladding.

### Advantages

- Resists the attack of salts like chlorides and sulphates that are present in the soil
- Easy to apply
- Cold applied
- Adheres to concrete, metal, wood, cork, etc.
- Can be applied in closed or confined spaces
- Water-based
- Versatile
- Anti-fungal
- Economical

### Instructions for Use

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable concrete repair mortar.

#### Application

The application temperature should be between 5°C to 55°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the bitumen coating is as follows:

#### Priming

Primer is always recommended prior to coating as it not only penetrates into the concrete pores and seals the substrate. It also acts as an adhesion promoter for further coatings. The primer coat can be made in the site by diluting the same bitumen emulsion with 20% water. The primer may be applied by a brush, roller or airless spray. Allow the primer to dry before any further coats are applied. However, if the primer after application is left open for more than 24 hours after it becomes dry, clean the surface of any settled dust and apply a fresh coat of the primer.

#### Protection

The coating shall be protected from ongoing site activities and during backfilling from getting damaged by a 150 micron polyethylene sheet.

## Technical Data

Properties	Results
Form	Thick viscous liquid
Color	Dark brown
Density, [g/cc]	1.02 ± 0.02
Solid content, [%]	40±5
Firm set [hours]	24
Application temperature, [°C]	5 to 55
Service temp, [°C]	- 5 to 75
VOC [g/l]	<50

All values are subject to 5-10 % tolerance

## Coverage

Average dry film thickness of 125microns achieved when applied @4m<sup>2</sup>/L/coats, at required number of coats

## Storage

The drums and pails must be stored in a covered area, away from direct sunlight, UV and other sources of heat. The shelf life is up to 12 months when stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.

## Packaging

ASFABIT EM is available in 15L pail & 200L drum

## Health & Safety

Protective clothing such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidental swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI  
ABU DHABI  
KSA  
ITALY

P.O. Box 123808 Dubai UAE  
P.O. Box 127326 Abu Dhabi, UAE  
P.O. Box 335896 Code: 11383 - Riyadh KSA  
Z.I. Ponte d'Assi 06024 Gubbio (PG)

T. +971 4 8803488 F. +971 4 8803450  
T. +971 2 5511949 F. +971 2 5511749  
T. +966 1 2654277 F. +966 1 2654335  
T. +39 75 9221297 F. +39 75 9221174

[colmef@colmef.ae](mailto:colmef@colmef.ae)

[www.colmef-me.com](http://www.colmef-me.com)

**ASFABIT EM**  
Technical Data Sheet  
Edition: January 2020  
Revision: 02