



# 1115/1120 EBM ROOFING MEMBRANE

By Imco®

**DESCRIPTION**

The **EBM MEMBRANE** system is a family of water-based acrylic, fluid applied seamless elastomeric waterproofing membranes having exceptional bulk water resistance while allowing suitable water vapor transmission.

**BASIC USES**

**1115 EBM ROOFING MEMBRANE BASE & 1120 EBM FINISH** are used as a brush, roller or spray applied seamless, self-flashing membrane system over virtually any pitched or low-slope roofing substrate to restore, protect and waterproof.

**MAJOR ADVANTAGES OF EBM**

- Water-based, non-toxic, low odor and non-flammable.
- Ultra-violet resistant with low temperature flexibility.
- No peeling fading or cracking.
- Elastomeric - expands and contracts with temperature fluctuations.
- Bonds tenaciously to Bitumous Asphaltic and Roll roofing, Urethane and Polystyrene Foam, Concrete, Steel and Wood.
- Safe easy application, water clean-up.

**TECHNICAL AND PRODUCT DATA**

|                          |                   |                                |   |
|--------------------------|-------------------|--------------------------------|---|
| • Solids by volume       | 51%               | Adhesion to poly urethane foam | Dry 4-8 lb/in. cohesive failure                     |
| • Viscosity              |                   | Permeability                   | 5 perms   |
| -Initial                 | 89 Krebs          | Film swelling                  | 10-17%  |
| -4 weeks                 | 92 Krebs          |                                |   |
| • Dry time to:           |                   | Dirt pick up 1 year            | excellent   |
| -touch                   | 2 to 3 hours      | Ultra-violet resistant         | excellent   |
| -re-coat                 | 4 to 8 hours      | Thermal shock                  | excellent   |
| -full cure               | 24 hours per coat | Number of Components           | one   |
| • Tensile strength       | 170 psi (1.2 MPa) |                                |   |
| • Elongation at:         |                   | Flash point                    | none  |
| -maximum stress          | 225%              | Reducer/Cleaner                | water   |
| -break                   | 330%              |                                |   |
| • Recover after:         |                   | Shelf life                     | 1 year unopened                                     |
| -25% elongation          | 60%               | Weight per Litre               | 1.45 kg/L (12.1 lbs/gal)                            |
| • Flexibility at:        |                   | Minimum application temp.      | 40°F (5°C)  |
| -15°F(-26°F)             | pass 180 1/8"     |                                |   |
| -300 hours weatherometer | pass 180 1/8"     | Coverage at 10 mil DFT         |   |
| -1 year exterior         | pass 180 1/8"     | -1115 Base                     | 50 SF/L (200 SF/gal)                                |
| • Crack bridging at:     |                   | -1120 Finish                   | 50 SF/L (200 SF/gal)                                |
| -104°F (40°C)            | no cracking       | Packaging                      | 20L pails & 200L drums (5 gal pails & 55 gal drums) |
| • -Minus 15°F (-26°C)    |                   |                                |   |

**DO NOT ALLOW TO FREEZE**

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## APPLICATION INSTRUCTIONS

Stir coating with a low rpm mixer, apply with fine brush, spray or roller on to a clean substrate (hardboard, ceramic, metal or concrete) which is free of contaminants. Dry time is 2-3 hours at room temperature. Correct surface preparation is of the utmost importance. All surfaces must be sound, dry, clean and free of oil, grease or any other contaminants. Obvious damaged areas must be repaired before application of coatings. All damaged flashings must be replaced or repaired. All areas holding moisture within the primary substrate, insulation or existing roofing materials must be removed or opened and allowed to dry. Cants, coves, flashings, parapet caps, termination points and around protrusions are pre-flashed using **1115 EBM BASE** to embed the 11FB fabric. Open seams are repaired using the **1115 EBM BASE** with 11FB fabric. The EBM roofing system is **not** designed for use in areas where ponding can occur.

## 90# ROLL ROOFING

Deteriorated composite roofing must be replaced with new 90# base sheet material. Lifted, split or curled overlap seams must be refastened with roofing mastic and renailed. Coatings: **1115 EBM BASE** at 50 sq. ft./litre (200 SF/gal) and **1120 EBM FINISH** at 50 sq. ft./litre (200 SF/gal).

## METAL ROOFS

Rusted areas must be wire brushed and primed with IMCO® 510A ALUMINIZED PRIMER. Pinholes and damaged areas are repaired using **1115 EBM BASE** and Fabric. Re-secure all sheets, new anchors to be installed with **1115 EBM BASE** and all existing anchors to be tightened and sealed with **1115 EBM BASE**. Coatings: **1115 EBM BASE** at 50 SF/L (200 SF/gal) / **1120 EBM FINISH** at 50 SF/L (200 SF/gal).

## FLASHINGS

Embed 11FB Fabric into **1115 EBM BASE** to create flexible flashings.

## SPECIAL HANDLING

Do not apply the EBM coatings in temperatures below 4°C (40°F) or if the temperature will drop below 0°C (32°F) in the next 12 hours or if rain is imminent or if dew will settle before coatings dry.

## SAFETY

Please refer to SDS at [www.imcotechnologies.com](http://www.imcotechnologies.com). If swallowed, see a physician immediately. Keep out of reach of children.

## WARRANTY DISCLAIMER

The information herein is to assist customers in determining whether our products are suitable for their application. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to the contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

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