



## PRODUCT DESCRIPTION

**STARPROOF WF MB 602** is cold applied liquid waterproofing membrane, specially designed from a blend of special resin and rubber, reinforced with special water repelling fillers, minerals stabilizers and gelling agent.

## BENEFITS

- Is a highly elastic product, and cures to a rubber like membrane capable of withstanding severe cases of expansion, contraction, and deck movements.
- Highly resistant to oxidation, UV light and ozone because of unique additives used in compounding it. It does not crack.
- More durable than normal asphalt coating and lasts longer than most other coatings.
- Superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and/or separation and a longer life.
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.
- Single component, cold applied requiring no mixing or heating; saves labor costs.

## USES

Ideal waterproofing system for concrete roofs, polyurethane foam slabs, polyester built up roofs, maintenance of existing roofs, masonry and concrete walls, bathrooms, basements, bridges, decks, Podium Areas, metal surfaces etc. Used as a sandwich membrane in new construction and as surface treatment on existing slabs.

## TECHNICAL DATA SHEET

<b>Appearance</b>	Smooth, Thick Paste
<b>Solid Content</b>	55 ± 2% (ASTM – D 1644-03)
<b>Color</b>	Black
<b>Viscosity (Spindle No: 7; RPM: 10 25° C)</b>	50000 to 70000 CPS (thixotropic)
<b>Specific Gravity</b>	0.95 ± 0.10 (ASTM – D 1644-03)

<b>Tack Free Time @ 35 ° C</b>	2 to 3 hrs.
<b>Drying Time @ 25° C.</b>	9 – 10 hrs. (A S T M D 1 6 4 0 - 0 3)
<b>Water vapor Transmission(g/h-m<sup>2</sup>)</b>	0.46 (ASTM E 96-95)
<b>Flammability &amp; Toxicity</b>	95±1
<b>Elongation Break</b>	> 1365 % (ASTM D 412-98)
<b>Tensile Set recovery, %</b>	95
<b>Service Temperature, 24 hrs. @ 120°C</b>	No shrinkage, Brittleness
<b>Tear Resistance (KN/M)</b>	28± 10 (SRTL/SOP/16)
<b>Tensile Set Recovery</b>	93 % (SRTL/SOP/14)
<b>Crack Bridging Capacity ASTM-C836</b>	Passes (No cracking )
<b>Coverage</b>	13-16 sq. ft in Two Coats
<b>Dry Film Thickness</b>	450-500 µm achieved in 2-coats

## APPLICATION OF MEMBRANE

Standard procedures to be followed for cleaning, the substrate and primer coat application. After complete drying of the primer coat, give two coats of **STARPROOF WF MB 602** Curing for 48 hours is adequate at normal temperatures. However, at low temperature conditions curing time to be extended accordingly and ensure complete curing before laying thermal insulation and mechanical protection.

## METHOD OF APPLICATION

### SURFACE PREPARATION

The surface must be thoroughly cleaned and should be free of dirt, gravel, dust, and oil. The concrete should be dry and smooth. When applying directly over concrete or old, dry asphalt, prime first with primer coat. When using as a topcoat to protect and rejuvenate existing smooth asphalt roofs, first repair all blisters, cracks, split seams, and flashing.

**PRIMER:** For priming, primer coat of **WF-MB-602** is applied on prepared surface. For primer coat use STARPROOF WF MB 602 diluted with water in ratio of 1:2.

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### FIRST AND SUCCEEDING COAT

The coating is applied straight by using standard roofing brooms, brushes, squeegees, or airless spray equipment, please check the viscosity to insure smooth spray of the product. Allow full curing of coating, (8 – 10 hours) before applying succeeding coats. For better results use Glass Fiber Reinforcement embedded into 1<sup>st</sup> Coat while it is still wet. To make the material more workable dilution with water up to 20% for 1<sup>st</sup> coat & up to 10% for 2<sup>nd</sup> coat is allowable

### HEALTH & SAFETY

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

**INHALATION:** Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

**EYE CONTACT:** Flush eyes with water for 15 minutes and call for medical help.

**INGESTION:** causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

**SKIN CONTACT:** Flush with water or soap and water till all traces have been removed. Seek medical attention if required.

### STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30°C. Storage should be frost protected.

### PACKING

**STARPROOF WF MB 602** is available in 1, 5, 10, 20 kg. pail, 50,200 kg.

### CLEANING

Tools: Clean all the tools immediately with water. Use of thinner may be necessary for dried up material.  
Hands: Use a hand cleaner or water followed by soap.

### WARRANTY

The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and our responsibility is limited to the quality of supplies with no guarantee of the results in the field, as manufacturer has no control over site conditions or execution of work.

### DISCLAIMER

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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