

## **MAX 3013 SEMFLEX WP**

**(Water based Modified PU Liquid Membrane)**

**High Performance, Polyurethane hybrid UV stable, Ecofriendly Flexible, Water-based modified water proofing membrane**

### **DESCRIPTION:**

**MAX 3013 SEMFLEX WP** is a Class III, Flexible, Single component liquid membrane. Based on an advanced polyurethane modified water based polymer which is a proven solution for weatherproofing & waterproofing applications for use in roofing, basement, shower recesses etc.

**MAX 3013 SEMFLEX WP** cures to a permanently flexible seamless membrane that has good adhesion to a wide range of substrates. Unlike more traditional bitumen based products

**MAX 3013 SEMFLEX WP** does not readily embrittle with age, exposure to ultra violet radiation or weathering and it does not crack or craze due to its flexible properties. **MAX 3013 SEMFLEX WP** Since it is elastomeric it is not adversely affected by temperature consequently it does not crack at low temperatures or suffer thermal flow at elevated temperatures

### **Features & Benefits:**

- **Water based** for easy clean up in water
- **Flexible** Class 3 membrane (300% Elongation)
- **Eco-Friendly** low odour for easy use without irritation
- **Fast drying** can be recoated after 3-5 hours at normal room temperature
- **UV stable** non-yellowing, can be used externally
- **MAX 3013 SEMFLEX WP External/Internal applications** can be used both internally and externally (saves the user from buying two separate water proofing systems)
- **Compatible** works well with many cement based tile adhesive
- **Reinforcement** does not requiring reinforcing for it to be effective
- **Excellent crack-bridging** properties
- **DIRECTION FOR USE:**

Suitable for use on many porous substrates including Gyprock, Fiber cement, Concrete, Render, Brickwork and plasterboard. **MAX 3013 SEMFLEX WP** can be used to help water/damp proof basements, kitchens, bathrooms, balconies

and decks, shower recesses, repair and restoration of leaking roofs as well as a damp proof membrane in sandwich panel construction. It is also suitable for Deck area's & can be used in planter boxes and retaining walls as long as it is protected by drainage or Corflute.

### **TECHNICAL INFORMATION:**

- Appearance : White
- Cure Time at 25°C : Full cure after 5-7 days
- Recoating : 3-5 hours
- Density/Spec. grav. : 1.27 +/- -0.05 kg/liter
- Elongation at break : 300%

### **Instructions for Use**

#### **Surface Preparation:**

**General** – Surface should be sound, clean and free of dust, oil, grease and curing compound. Loosely adhered particles such as rust scale, cement smears should be thoroughly cleaned with a wire brush or another such implement.

**Concrete** all new concrete surfaces must be fully cured (6-8 weeks) with a semi-rough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the commencement of waterproofing. All surfaces must as level as possible with a slope variation not exceeding 4mm.

#### **Priming**

All surfaces to be primed with the same product diluted with 20% water

The primer can be applied with a brush, roller or squeegee depending on the size of the area required to be primed. Allow 10–30 minutes for the primer to dry before commencing to waterproof with **MAX 3013 SEMFLEX WP**.



## METHOD OF APPLICATION:

- Remove all loose material by vigorous brushing, wire brush if necessary.
- Treat any fungal growth with appropriate fungicide as recommended.
- Allow surface to clean.
- Prime with **PRIMER** (6 - 12 m<sup>2</sup> / Lt depending on substrate porosity)
- Once the primer is completely dry then apply first coat which when dried follow it up with the second coat at 90° right angles to the first coat ensuring a complete coverage. Apply third coat if required
- **NOTE : PLEASE DO NOT DILUTE ANY COAT AFTER THE PRIMER IS APPLIED**
- **MAX 3013 SEMFLEX WP** requires to applied at minimum thickness of 1.2 mm of DRY FILM THICKNESS (DFT) in 2 coats
- Apply a minimum 1 litre coverage @ 0.9 Sq/m per coat in two coats perpendicular to each other over a primed surface
- Ensuring that the surface is smooth and without any pinholes allow 24 hours before commencing to apply a suitable tile adhesive. Please note that a third coat may be required if any imperfections are present in the membrane.
- **MAX 3013 SEMFLEX WP** can be applied by brush or roller without the need to mix, stir or heat before application. **MAX 3013 SEMFLEX WP** can be made into a grade.

## THICKNESS:

PRODUCT	DFT (Dry Film Thickness)	Primer	SEMFLEX WP Top Coat	Equivalent Wt. Approx.	Number of top coats
SEMFLEX WP	1.2mm	6-12m <sup>2</sup> /L	1L	1.27 Kg	2 coats 0.9m <sup>2</sup> /L
SEMFLEX WP	1.8 mm	6-12m <sup>2</sup> /L	1.5L	1.97 Kg	3 coats 0.9m <sup>2</sup> /L

The above DFT is achieved by single Primer coat (6-10m<sup>2</sup>/L) followed by minimum of 2 top coats perpendicular to each other (0.9 m<sup>2</sup>/L)

## Supplementary Notes

Coverage rates may vary with surface and porosity. The information given is based on average usage. A site trial is recommended.

Minor damage to **MAX 3013 SEMFLEX WP** can be repaired by removing loose membrane; cleaning the surrounding area with water; overlapping by 150mm; priming the area with PRIMER and finishing with two coats of **MAX 3013 SEMFLEX WP**.

**MAX 3013 SEMFLEX WP** works best when it is applied when the temperature is between 5°C and 40°C.

## CLEANING:

All tools and implements should be thoroughly cleaned with water immediately after use.

The service periods quoted for these systems are indicative only and take no account of mechanical or other damage which may occur during the life of the system.

PACKING : 25 kg Bucket

## HEALTH & SAFETY:

- Use rubber hand gloves & safety goggles, while using **MAX 3013 SEMFLEX WP**.
- Keep out of reach of children.



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**SEMITRONE**  
CONCHEM PVT. LTD.  
A CONSTRUCTIONS CHEMICAL COMPANY

**STORAGE & LIFE:**

Best before one years from the date manufacture when in sealed pack and stored in cool & dry place in unopened condition away from direct sunlight.

**TECHNICAL INFORMATION & SERVICES:**

Further information and advice, including practical demonstration are freely available with the Technical Service Department of **SEMITRONE CONCHEM PVT LTD - AHMEDABAD.**

**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.



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