

FLEXISEAL ELASTOMERIC MEMBRANE
Updated Feb'20


FlexiSeal Elastomeric Membrane is a mastic positive water proofing which formulated based on elastomeric styrene acrylic polymer for exterior application. It is specially formulated to be highly flexible to cover hairline cracks, and it has excellent water resistance. FlexiSeal Elastomeric Membrane which has good adhesion property is able to seal the pores on the concrete to prevent further water penetration into the substrate. It contains non-added lead and mercury.

Product Features:

- Water resistance
- Flexibility
- Cracks bridging
- Alkaline resistance
- Efflorescence resistance
- Environment friendly green product

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Exterior	Low Sheen	Walls, brickwork, wallboards, asbestos, concrete slab roof, wall, window sill and balcony	1.3 kg, 5 kg, 20 kg

Composition

Pigment	: Mainly Titanium Dioxide and Mineral Extender
Binder	: Styrene Acrylic Emulsion
Thinner	: Water

Technical Data

Drying Time	: Touch Dry : 2 hours (Dependent on temperature and humidity)
	: Hard Dry : 4 hours
Recoating Time	: Minimum 4 hours
Shelf Life	: Up to 36 months in tight sealed container

Use as undercoat / sealer for protection of exterior surfaces such as walls, brickwork & etc

Dry Film Thickness	: 60 – 100 µm per coat (based on substrate condition)
No. of Coats	: 2 coats
Theoretical Coverage	: 4 – 5 m ² per kg per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance) <i>It is recommended to go for actual application to estimate the practical coverage for project.</i>
Dilution Factors	: Maximum 5% by weight. (Add max 1L of water in 20kg pack)
Solid Content	: ~ 60%

Use as patching material to cover hairline cracks to prevent water seepage at external wall

Dry Film Thickness	: About 100 µm per coat (based on substrate condition)
No. of Coats	: 2 – 3 coats
Theoretical Coverage	: 2 – 3 m ² per kg per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance) <i>It is recommended to go for actual application to estimate the practical coverage for project.</i>
Dilution Factors	: No dilution is needed

Use as mastic water proofing for concrete slab roof, wall, window sill and balcony

Dry Film Thickness : About 100 µm per coat (based on substrate condition)
 No. of Coats : 3 coats (Must achieve 300 micro dry paint film to provide excellent water proofing performance)

Theoretical Coverage : 2 – 3 m² perkg per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
It is recommended to go for actual application to estimate the practical coverage for project.
 Dilution Factors : No dilution is needed

Application Method

Brush / Roller : Dilute the paint with not more than 5% of water. Preferable not dilute for best performance.
 Trowel / Spatula : Only use for patching. No dilution required.

Recommended Coating System
Use as undercoat / sealer for protection of exterior surfaces such as walls, brickwork & etc

Sealer / Primer : FlexiSeal Elastomeric Membrane (Extra one coat of Nippon 8000 : 2 Coats
 Advance Wall Sealer is recommended before painting the FlexiSeal Elastomeric Membrane to promote excellent efflorescence resistance)
 Top Coat : Weatherbond Series of products : 2 Coats

Use as patching material to cover hairline cracks to prevent water seepage at external wall

Filler : FlexiSeal Elastomeric Membrane (fill the cracks areas) : 1 Coat
 Sealer / Primer : FlexiSeal Elastomeric Membrane / 5100 Wall Sealer / Acrylic 5170 Wall : 1 Coat
 Sealer / Hi-bond Wall Sealer (on powdery or skim-coated surface)
 Top Coat : Weatherbond Series of products : 2 Coats

Use as mastic water proofing for concrete slab roof, wall, window sill and balcony

Sealer / Primer : Acrylic 5170 Wall Sealer : 1 Coats
 Top Coat : FlexiSeal Elastomeric Membrane : 3 Coats

Surface Preparation

Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Repair cracks, uneven surfaces with suitable exterior grade fillers. Smoothen the filler areas with sand paper. Surfaces to be painted must be cleaned thoroughly and dry, it must be free from dirt, grease and other foreign matters. Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by protimeter and alkalinity of the walls to be below pH9.) Spot prime with Nippon Exterior Wall Sealer.

Cleaning

Clean up equipment with water immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.

However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.

We reserve the right to alter the given without prior notice.