

NIPPON LM MAT
Updated July'17

Before

After

Description:

Nippon LM MAT is used as reinforcement with the liquid applied waterproofing membrane. The fibers is randomly oriented structure that provides maximum multi-directional tensile strength to the liquid applied waterproofing membranes while remaining high elasticity.

Uses:

Nippon LM MAT is suitable for waterproofing reinforcement on applications such as:

- Roof flat roofs, terraces, and gutter
- Roof gardens, landscape areas, planter boxes
- Podium
- Driveways, suspended slabs
- Balconies
- Retaining walls and Lift pits walls
- Repair of old waterproofing membranes or refurbishment
- Seal up cracks line
- Complex details

Advantages:

- Good impregnation properties
- Ensures the correct thickness of waterproofing system
- Increases the tensile strength of waterproofing system
- Enhances crack bridging properties of the waterproofing system
- Easily moulded around flashing, protrusions, joints, corners and others details
- Quick application and easy handling to all different shapes and profiles
- High mechanical strength
- Superior acid resistance

Product Type	Product Grade	Roll Weight	Roll Size	Substrate
Glass Fiber Mat	Nippon LM MAT	Approx. 26kg/Roll	Approx. 111m ² /roll	Concrete, pipe, masonry, screed

Typical Technical Data

Form	: low alkali, borosilicate glass fiber in an amorphous vitreous state
Colour	: Transparent white
Area Weight	: 225 g/m ²
Roll Width	: 1.04m ± (5%)
Roll Length	: 111.10m
Breakage Strength	: >60N
Overcoating Time	: please refer to the chosen liquid apply waterproofing membrane system PDS

Application Method
Substrate

Prior to application, the substrate must be prepared accordingly and the priming coat (if any) must have cured tack free.

Cutting to Size:

Manual or electric scissors are suitable as cutting tools. Measure the area and determine the cutting size, use scissor to cut to desire size.

Impregnation:

Pre-cut **Nippon LM MAT** to be impregnated is fully wet by the chosen liquid apply waterproofing membrane system by brush/roller/spray, it is then roll laid on the first layer of liquid apply waterproofing membrane during wet to avoid bubbles. The second layer is spread evenly and continuously using roller or brush. To remove any entrapped air in the embedment gaps and to ensure an entire impregnation without any blowholes, it might be necessary to deaerate by crosswise rolling with a spike roller

Overlap:

Overlap **Nippon LM MAT** by at least 50 mm at lap joint. At borders or end joints to other waterproofing membranes, it is overlap by a minimum of 100 mm.

Detail Work Embedment:

When working on protrusions, up-stands, parapets or other fixtures and fittings which are not part of the main horizontal or vertical substrate, pre-cut required dimension of **Nippon LM MAT**. Apply the liquid apply waterproofing membrane to the area to be reinforced using a brush or roller. Immediately lay the pre-cut **Nippon LM MAT** reinforcement onto the wet coating and firmly embed.

Large Area Embedment:

Apply the liquid apply waterproofing membrane at the correct coverage rate, working on 4 - 6 m² at a time. Lay **Nippon LM MAT** onto the wet coating and firmly embed

Recommended Waterproofing System

Refer to the chosen liquid apply waterproofing membrane system product datasheet

Environmental Conditions During Application

Refer to the chosen liquid apply waterproofing membrane system product datasheet

Storage and Transportation

This product should be stored at shaded or cool and adequate ventilation warehouse. This product should be away exposure from rain, sunlight, source of flame and heat. When transporting, care must be taken. It is always kept its packaging in a secure position. Failure to comply with the recommended storage may result in considerable premature deterioration of the product.

Safety Precautions

Refer to the chosen liquid apply waterproofing membrane system product datasheet