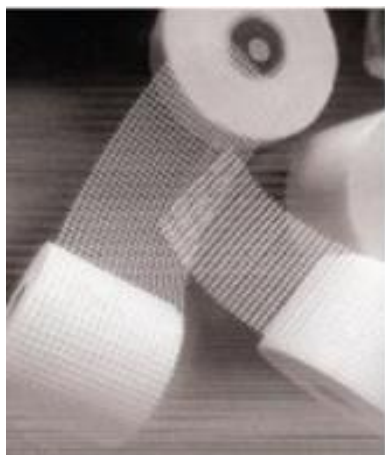


NIPPON PAINT CM MAT
Updated Sept'22

Description:

Nippon Paint CM MAT is used as reinforcement with the cementitious waterproofing membrane. It is a ready-to-use, thin, strong yet flexible alkali-resistant mesh for reinforcement of joints, corners, coves and hairline crack repair. It is used as part of the reinforcement in **NippoCEM Standard** and **NippoCEM FLEX** cementitious waterproofing system.

Uses:

Nippon Paint CM MAT is suitable for cementitious waterproofing reinforcement on applications such as:

- Waterproofing terraces, balconies, swimming pools, bathroom
- Repair of old cementitious waterproofing or refurbishment
- Hairline cracks repair work
- Complex details
- beams, columns & slabs

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
- Quick application and easy handling to all different shapes and profiles
- a high resistance to tearing and stretching,
- protects the surface from cracking and improves its mechanical strength.
- Alkali-resistant and compatible to be used with cementitious materials.

Product Type	Product Grade	Roll Weight	Roll Size	Substrate
Fiberglass Mat	Nippon Paint CM MAT	Approx. 3.75kg/roll	Approx. 50m ² /roll	Concrete, Screed

Typical Technical Data

Form	: Fiberglass Mesh Tape
Colour	: Transparent white
Area Weight, g/m ² (ISO 9073-1-2010)	: 75
Mesh size, mm (ISO9073-1-2010)	: 4 x 4 (± 0.5)
Roll Width, mm (ISO 9073-1-2010)	: 1000 (± 15)
Roll Length, m (ISO 9073-1-2010)	: 50
Thickness, mm (ISO 9073-2-2020)	: > 0.07
Tensile Strength, N/cm ² (ISO 13934-1:2013)	: ≥ 5
Breaking Elongation, % (ISO 13934-1:2013)	: ≤ 4
Overcoating Time	: Refer to the selected cementitious waterproofing membrane system TDS

Application Method
Substrate

The substrate must be thoroughly clean and dry, free from dust, algae, mildew, fungal, grease and oil. All the contaminants, previous waterproofing and impurity must be removed till bare substrate. Any cracks, honey combs, water leakage area should be repaired by **Nippon Paint Repair System** (for more detail, please refer to Nippon Paint Technical Department) before the waterproofing work proceed. The substrate must be sound and dry with no rising damp. The concrete surface should be flat and free from holes and undulations. Any holes and undulations should resurface with **Nippon Paint Scratch Coat System**. The surface should be clean smooth and cast to fall to allow water run-off.

Application

Measure the area and determine the cutting size, use scissor to cut to **Nippon Paint CM MAT** to desired size. Apply first neat coat of the selected cementitious waterproofing by using brush/ trowel. Next, carefully lay **Nippon Paint CM MAT** onto the surface while it is still fresh. Press it down firmly to make sure it is perfectly wetted.

Apply second coat of the cementitious waterproofing to spread evenly and continuously by using trowel in perpendicular direction to the first, make sure **Nippon Paint CM MAT** is fully embedded without bubbling.

For water retaining reinforcement waterproofing system, proceed with subsequent coats of cementitious waterproofing as per specified, with each coat to be applied at right angles to the previous coat.

Overlap

Allow at least 50mm overlaps of **Nippon Paint CM MAT** at side laps. At borders or end joints to other waterproofing membranes, allow overlaps of minimum of 75mm.

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 the required dimension of **Nippon Paint CM MAT**. Apply the selected cementitious waterproofing to the area to be reinforced using a brush. Immediately lay the pre-cut **Nippon Paint CM MAT** reinforcement onto the wet coating and press it down firmly to make sure it is firmly embedded.

Large Area Embedment

Apply the cementitious waterproofing at the correct coverage rate, working on 4 - 6 m² at a time. Lay **Nippon Paint CM MAT** onto the wet coating and make sure it is firmly embedded.

Recommended Waterproofing System

Refer to the chosen cementitious waterproofing system product datasheet.

Environmental Conditions During Application

Refer to the chosen cementitious waterproofing 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 cementitious waterproofing system product datasheet.