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CLEAR WATERPROOFING MEMBRANE (CWM)

DESCRIPTION

Redial Membranes – Clear Waterproofing Membrane (CWM) is a two part clear, hybrid water based, aliphatic polyurethane waterproofing membrane / coating that cures to form a clear, tough, durable, flexible, trafficable, abrasion and anti-scratch resistant, waterproof membrane in a clear gloss finish. As a clear waterproofing it is able to be installed over leaking tiled surfaces like a shower or a deck to form a waterproof barrier without changing the original appearance. Remedial Membranes – Clear Waterproofing Solution is formulated for exposure to sunlight and is designed for applications where the original appearance of the substrate is desired such as tiled areas.

Remedial Membranes -CWM is therefore ideal for:

- the rectification of a leaking tiled area without removing tiles
 - as a timber floor coating
 - waterproofing porous materials to make wet area suitable
- Remedial Membranes – CWM Membrane incorporates adhesion enhancers to enable it to bond to non-porous surfaces.

Compatibility testing is required prior to application.

USES

Remedial Membranes - CWM, is a clear, trafficable waterproofing membrane / coating and has been formulated for:

1. It provides a trafficable waterproofing membrane over tiled areas. Water penetration problems can therefore be solved without removing the tiles.

Suitable areas include:

- Tiled balconies, courtyards, terraces etc
- Showers
- Wet areas.
- Waterproofing of terracotta tiles and pavers.

2. Top coating / sealing of timber floors.

3. Sealing sandstone surfaces.

SUITABLE SURFACES

Suitable surfaces that have been properly cleaned and prepared

Surfaces include but are not limited to:

- tiles
- pavers
- terracotta tiles and pavers
- timber
- sandstone and many masonry substrates
- concrete and cementitious substrates.

MIXING

CWM is a 2-Part waterproofing membrane for external onsite mixing. Each litre of CWM1 liquid requires a minimum of 100ml or 10% CMS2 added up to 250ml or 25% depending upon desired application thickness. Add CWM2 liquid slowly into CWM1 liquid while mechanically stirring to ensure proper mixing. Always add CWM2 to CWM1 pot volume will allow for this. Once mixed stand for 5 mins prior to use

SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the Company in writing.

All surfaces must be pre tested to ensure compatibility prior to commencement of work.

LIMITATIONS

Water Ponding: Remedial Membranes Clear Waterproofing Membrane (CWM) is designed to be installed on top of surfaces that have fall created in them to allow water run off. If installed in situations with ponding, water surface may blush until a time where it is able to dry.

Trafficability: CWM is tough and durable and can withstand general foot traffic. However, as the membrane is flexible, it can be damaged by point loads, heavy weights, sharps, scuffing, dragging items across the surface and general excessive abuse and should be protected against these. It is not suitable for vehicular traffic.

Staining: As we are unable to test for all manner of stains and sources of stains, as a precaution given that the membrane is clear and is most likely more susceptible to showing stains than a coloured coating, the membrane should be protected from possible sources of stains such as chemicals, dyes, leaves, certain wines etc. Spills should be immediately cleaned with a suitable detergent.

Desire for a clear finish: As a clear finish is desired, some conventional methods for preparation, priming, reinforcing, and sealing of joints, gaps and corners are inappropriate and their omission may render some applications where movement in joints, corners and cracks are excessive, substantial or beyond the capability of the membrane unsuitable.

Rising Damp: CWM is not designed to prevent rising damp.

BENEFITS AND ADVANTAGES

- It is a genuine waterproofing membrane, not simply a clear sealer.
- It can be applied to tiles and pavers.
- Warranted not to leak for 4 years (refer to warranty).
- Anti scratching and abrasion resistant.
- Excellent exterior durability and low yellowing.
- Good early hardness development.
- Good chemical and solvent resistance.
- Dries clear with a gloss finish.
- Trafficable.
- Can be used exposed to sunlight.
- Can be made slip resistant upon request.
- Solves waterproofing problems to tiles areas without removing tiles.
- Good bonding to most surfaces (testing is highly recommended).

PRECAUTIONS IN USE

CWM Part 1 is a water-based product, has low VOC's and is not considered dangerous or hazardous according to the WorkSafe criteria. CMW2 is considered a Hazardous Chemical but a Non-dangerous please ensure the MSDS is referred to and good industrial practices such as wearing gloves and safety goggles against splashes should be observed along with an organic vapour respirator.

Slippery Surface: The finished membrane is not considered slippery but if residue is able to be built up, this may create a slippery surface. Note: There is a texture imprinted on the membrane depending on what applicator is used (brush or roller) and in addition to this, you can add a slip-resistant additive which can be supplied upon request. Refer to Application Instructions.

PRIMING AND SURFACE PREPERATION

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion. Subject to the limitations as stated above, the following preparation should be carried out.

For tiled areas:

- Surfaces must be clean, dry and free of grease, grime, mould, fungi, dust, loose material and substances that may diminish adhesion.
- Surfaces should be thoroughly cleaned and flushed to remove detergent residues and allowed to dry.
- As far as possible restore the substrate to a sound condition.
- Cracked, loose or damaged grout should be replaced and fully cured.
- Cracks should be filled with a clear, MS Polymer Joint Adhesive.
- Existing silicone joints should be covered with clear, MS Polymer Joint Adhesive

To seal timber or other substrates:

Refer to company specification

APPLICATION

Apply by roller or brush. Do not apply if the ambient temperature or substrate temperature is below 10°C, likely to fall below 10°C or below the dew point temperature during the coatings drying and curing process. Do not apply the product when rain or inclement weather is imminent or expected including during the product's drying and curing process. Protect the product from rain, water damage, dust and falling items that may lodge in the wet membrane until it has fully cured.

General Application

2 or 3 coats of CWM Membrane at the rate of 2m² - 3m² per litre per coat allowing each coat to complete dry before applying the next. The following coats should be applied as soon after the preceding coat is dry and best within 24 hours. The minimum dry film thickness of the membrane should be 0.125mm (125 micron) and 0.500mm (500 micron) 100mm up and down from wall and floor junctions and in areas where movement is expected such as existing cracks and joints.

The membrane will attain full strength and durability within 3 to 7 days and although can be subject to light, clean foot traffic, all furniture and other items should not be replaced until the end of the 7 days, providing customer care instructions are followed.

COVERAGE

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique. Coverage (usage) varies from 2m² - 3m² per litre per coat depending upon purpose for use. Refer to Application instructions. Porous surfaces will use more material.

COLOURS

Clear.

DRYING AND CURING

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

Per coat, on average at 25°C at 50 R.H. based on 100 micron wet film thickness:

Touch dry - 30 minutes

Re-coat - once touch dry (remove shoes).

Dry - < 24 hours.

Full Cure - 3 to 7 days.

Pot Life will be significantly lessened once part 1 and 2 are combined the pot life is dependent on the percentage of Part 2 mixed and will range between the following:

10% of Part 2 added will have a pot life of 5 days

25% of Part 2 added will have a pot life of 8 hrs

STORAGE

Store in unopened and undamaged containers in a cool and dry areas. Product is non-flammable.

CLEAN UP

Wet spills can be cleaned with water prior to drying after drying will not be able to be removed except with physical force.

TILING, TOPPING OR TOP COATING

CWM left exposed not designed to be covered

SAFTEY AND PRECAUTION

The product is water based and is not considered dangerous or hazardous according the criteria of WorkSafe Australia.

The use of gloves and eye protection is recommended along with an Organic Vapour Respirator. Use in well ventilated areas.

FIRST AID

Eye Contact: Flush with copious quantities of water for at least 15 minutes. Seek medical attention.

Swallowed: Seek medical attention.

Skin: Remove contaminated clothing and wash skin with soap and warm water.

Inhaled: Remove from contaminated area. Apply air resuscitation if breathing is irregular or stopped. Seek Medical Attention

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.

Conditions of Use and Disclaimer

The information contained in this data sheet is given in good faith based upon our knowledge and current information and does not imply warranty. The information is provided and the product sold on the basis that the product is used for its intended use and applied in a proper workman like manner in accordance with the instruction in this data sheet onto suitable and correctly prepared surfaces which shall remain sound, stable, free of structural defects, cracking, spalling concrete cancer, negative pressure, movement or other conditions that may affect the performance of the product. Deviations from application instructions may diminish or negate the performance of the product. Under no circumstances will the Company be liable for any loss, consequential or otherwise, arising from the use of the product. Liability is limited to the replacement of proven faulty product. Issued: 01/03/2015 Valid until superseded