EQUUS MATACRYL CARPARK SYSTEM

Standard Building Consent Package

FEBRUARY 2025

CONTENTS

EQUUS MATACRYL CARPARK MEMBRANE

Elastomeric waterproofing membrane

Matacryl Carpark System is a liquid applied elastomeric waterproofing membrane designed to waterproof and protect concrete carpark decks. The system is designed for easy application and easy maintenance with an integrated non-skid surface profile for traffic, the **Matacryl Carpark System** also cures very quickly meaning minimal disruption and downtime for the building owner.

The **Matacryl Carpark System** is a multi-layer application. It comprises of medium viscosity, urethane-modified, pre-reacted 100% solid liquid membrane resins based on acrylic monomers. The cured system is a very flexible crack-bridging membrane that retains its flexibility and crack-bridging performance in service even in low temperatures.

Matacryl membrane has a wide range of application areas as well as a carparking membrane. Other applications can include as a bridge deck waterproofing membrane, sub-grade waterproofing including below-grade slabs, pedestrian and vehicular trafficable areas, tunnels, channels and dam structures.

Key Benefits:

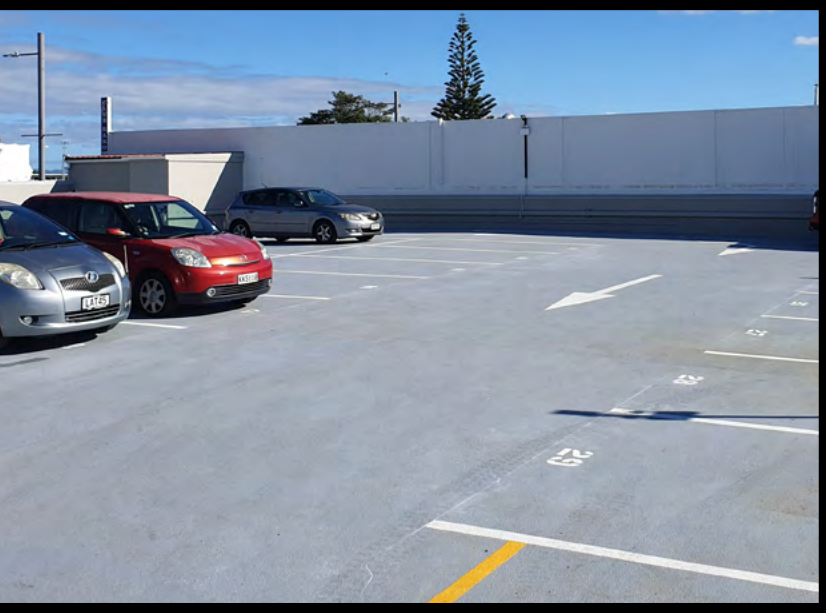
- Highly flexible membrane
- Easy to apply using a roller or a squeegee
- Thixotropic version available for vertical surfaces
- Excellent waterproofing properties
- Very high impact and puncture resistance
- Withstands stress and movements in the substrate
- Excellent adhesion to many types of substrate
- Good chemical and abrasion resistance
- Can be applied over a wide range of ambient and substrate temperatures (-10°C to +35°C)
- Can easily be repaired; excellent inter-layer adhesion due to chemical bonding
- Overcoating time not critical
- Fully cured one hour after application

Technical Support:

- Project Specific specifications and details
- On-site quality assurance
- Approved/licensed application nationwide
- Extended Warranties available

EQUUS MATACRYL CARPARK MEMBRANE

Elastomeric waterproofing membrane



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Specification

Standard Specification for the application of the Matacryl Carpark Waterproofing System to concrete surfaces.

Project:
Prepared for:
Specification:
Date: September 2023

1.0 PREAMBLE:

This specification is for the application of the **Matacryl Carpark System** to waterproof and protect concrete carpark decks. Designed for easy maintenance with an integrated non-skid surface profile for traffic, the **Matacryl Carpark System** also cures very quickly meaning minimal disruption and downtime for the building owner. The specification also deals with preparation of surfaces before the application of the **Matacryl Carpark System**.

The **Matacryl Carpark System** is a multi-layer application. It comprises of medium viscosity, urethane-modified, pre-reacted 100% solid liquid membrane resins based on acrylic monomers.

2.0 SURFACE PREPARATION:

2.1 General Responsibility:
Unless expressly agreed otherwise at time of contract pricing, all work in this section shall be the responsibility of the Main Contractor, whether carried out by his own staff, other sub-trades or the Specialist Finishes Sub-Contractor. In the latter case, such preparatory work shall be priced separately from work defined in Sections 3.0 - 6.0 inclusive.

2.2 Mosskilling Treatment: (If required)
All surfaces shall be treated with **Equus Mosskill** solution to kill all moss/mould spores and growths. Stipulated kill-times shall be observed.

Note: Badly affected surfaces may require treatment before and after waterblast cleaning to ensure a residual moss-kill treatment before the coating application.

2.3 Concrete Preparation:
The substrate must be dry, firm, solid and free of residues of laitance, dust, grease, oil and other contaminants. In case of serious oil contaminations, acetylene flame cleaning, followed by mechanical treatment, is required. Do not use solvents as a cleaning agent. Their use will drive fat/oil further into the concrete compromising the adhesion of the **Matacryl Carpark System** to the concrete.

The concrete must be cured for a minimum of 28 days. The cohesive strength of the concrete substrate must be greater than 1.5 N/mm^2 in average value. This can be checked by undertaking a pull-off test if required in accordance with:

ASTM C1583 Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension – Pull-off Method.

The concrete substrate shall be prepared with suitable methods such as captive shot blasting, scarifying or grit blasting. The surface must be cleaned with an industrial vacuum cleaner after treatment. The final prepared surface profile shall be CSP3 (typical of light shot blast), as

defined in:

ICRI Guideline No. 310.2R-1997, Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays and Concrete Repair.

For new concrete decks, good water curing under polythene is recommended. Liquid or spray-applied concrete curing compounds shall not be used.

The humidity on the surface of the concrete must not exceed 4% and the substrate temperature should be at least 3°C above the dew point at the time of application. Do not apply when atmospheric condensation is occurring or likely to occur before full system cure is obtained.

3.0 SURFACE PRETREATMENT:

3.1 Cracks:

Shrinkage cracks in the concrete surface, which are 1 mm wide or greater, shall be ground out to a minimum 6 mm wide by 10 mm deep prior to treatment. Mix suitably catalysed **Matacryl Manual LM** resin in accordance with the Manufacturer's instructions and pour into the crack after the primer has been applied.

All hairline cracks and untreated cracks up to 1 mm wide shall be stripe coated with a 150mm wide application of **Matacryl Manual** or **Matacryl Thix** resin applied at a spreading rate of 1kg/m^2. Embed 80mm wide Equus Jointing Tape into the wet resin. This shall be done after priming.

3.2 Concrete Imperfections:

Concrete defects, voids or irregularities shall be rectified with **Ready Rep Mortar** after priming with **Matacryl 108 H Primer**.

4.0 MATACRYL CARPARK SYSTEM APPLICATION:

All liquid components of the system (primer, bodycoat, wearcoat, topcoat) shall be mixed and catalysed with **Matacryl Catalyst** before use as per the Manufacturer's instructions. The percentage of catalyst added is dependent on atmospheric conditions (heat, cold, humidity) at the time of application.
The components cure rapidly so mix only what can be used within the stated timeframe.

4.1 Primer: (Concrete Surfaces)

Apply catalysed **Matacryl 108 H Primer** to achieve a spreading rate of 0.3 - 0.5 kg per m^2, depending on surface porosity, to obtain a continuous resin film. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage (%) of Catalyst added.

4.2 Primer: (Metal or Plastic Surfaces)

Apply catalysed **Matacryl 107 CM Primer** to achieve a spreading rate of 0.2 kg per m^2 to obtain a continuous resin film. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage (%) of Catalyst added.

4.3 Membrane Application:

Apply one (1) coat of suitably catalysed **Matacryl Manual** to the primed surfaces to achieve a spreading rate of 2 kg per m^2. Apply this coat by notched trowel or squeegee and then spike roll. Allow 45 – 60 minutes to cure, depending on site conditions and percentage (%) of catalyst added.

4.4 Bonding Layer: (Turning or High Traffic Areas)

Apply one (1) coat of **Matacryl STC** (suitably catalysed) over turning and high-traffic areas to achieve a spreading rate of 0.2 kg per m^2. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage (%) of Catalyst added.

4.5 Membrane Application: (Upstands, Sumps and Edges)
Apply one (1) coat of **Matacryl Thix** at a spreading rate of 2 kg per m^2. Use a coving trowel or similar to round out the transition between horizontal and vertical planes on upstands.
Ensure there is sufficient material at this critical junction to create a fillet of 10mm x 10mm dimension to provide a bridge for the subsequent wear layer. The **Matacryl Thix** membrane shall be brought up 200 mm on horizontal/vertical transitions and turned down 150 mm on leading edges. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage (%) of Catalyst added.

4.6 Wearcoat Application:
Mix **Matacryl 215 WL** with **SNL Powder** in a ratio of 1 to 1 by weight with catalyst as per mixing instructions. Pour onto substrate and spread out to 2.5 kg per m^2 . Apply this coat by notched trowel or squeegee and then spike roll. Broadcast 0.7 – 1.2mm **Walton Park 18/36** aggregate into the wet resin at 3 - 4 kg per m^2 to excess. Allow 45 – 60 minutes to cure, depending on site conditions and % of Catalyst added. Sweep up and/or vacuum excess quartz and recycle for later use.

4.7 Topcoat Application:
Apply one (1) coat of suitably-catalysed **Matacryl STC** to all surfaces to achieve a spreading rate of 0.5 kg per m^2. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage (%) of Catalyst added.

Apply a second coat of suitably-catalysed **Matacryl STC** to achieve a spreading rate of 0.3 kg per m^2. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage (%) of Catalyst added.

4.8 Procedures:
Ensure that at all times all work is carried out in accordance with procedures published by **Equus Industries Ltd** for the **Matacryl Carpark System.**

4.9 Quality Assurance (QA)
The Equus Certified Applicator is responsible for onsite **QA.** The Equus project checklists outlining the required processes shall be completed and signed as each stage of installation is completed. Photographs of each stage shall be taken and submitted as part of the overall **QA.** A Warranty will not be issued unless a copy of the documentation has been filed with Equus Industries Ltd. Third party QA documentation is acceptable provided it is equivalent to the Equus issued QA.

5.0 CONSTRUCTION JOINTS:

All construction and expansion joints formed in the concrete deck must be carried through the **Matacryl Carpark System**.

All construction and expansion joints in the concrete substrate shall be prepared and primed with **Matacryl 108 H Primer** (suitably catalysed) and must be filled with an oversized backing rod correctly placed and sealed with **Matacryl Manual LM** (always respecting the 2:1 width-to-depth ratio of the joint design).

6.0 PENETRATIONS:

If any penetrations are made through the finished **Matacryl Carpark System**, all holes for fixings or anchors shall be filled with **Tremco Dymonic FC** (PU sealant) prior to the installation of the penetration. Half screw the fixings and leave the sealant to cure for at least 6 hours. Finish the screwing process after this so that the sealant will act as a gasket to prevent water ingress around the fixing.

Specification

7.0 MAINTENANCE AND WARRANTY:

7.1 Maintenance:

Should the system be damaged at any time by undue mechanical force or excessive building movement and/or wear, the surface shall be repaired using compatible materials applied in accordance with a repair methodology supplied by Equus Industries Ltd.

The surface can be washed down at any stage using a neutral detergent and soft surging with a low-pressure water wash.

7.2 Warranty:

The **Matacryl Carpark System** may be warranted for a period of up to ten (10) years from the date the application is completed.

Such a warranty is issued by the Certified Equus Applicator carrying out the work and is backed by the manufacturer as to the suitability for use of the materials supplied, provided that:

.1 All specified work is carried out by a Certified Equus Applicator.

.2 All work is carried out in accordance with this specification or any written amendments thereto issued by the manufacturer.

.3 A yearly inspection of the **Matacryl Carpark System** is carried out and any damaged areas repaired.

.4 Special conditions are applied where service conditions involve severe mechanical abrasion / impact or chemical spillage or both.

.5 The warranty does not cover cracking to the system caused by substrate movement.

The area is subject to usage conditions described to **Equus Industries Ltd** and the Approved Applicator at the time the work is done, and those conditions remain for the term of the Warranty.

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Quality Assurance

Matacryl Carpark System

Application of Matacryl Carpark system to concrete surfaces

Specification No: **Date Prepared: September 2023**

Project & Address: _____

_____

Certified Applicator: _____

Building Contractor: _____

Building Owner/Property Manager: _____

1. Statement of Intent

(a) This checklist is to be completed by both the Equus Applicator and the Main Contractor, as a step by step record of compliance with both the Equus Specification provided for the contract, and the requirements of the Manufacturers for Warranty

(b) A copy of this checklist must be forwarded to the nearest Regional Office of Equus Industries Ltd. A Warranty will not be issued by Equus Industries Ltd. without a copy of this Checklist being filed.

(a) A copy of this checklist should form part of the Contract Documentation filed with the Property Manager on job completion.

2. Areas Treated

The areas to which the **Matacryl Carpark System** is applied are detailed below, with reference to plans (where appropriate).

_____

_____

_____

3. Sign Off

We confirm that all applicable processes listed in Section 4 have been correctly completed and that sign-off on each stage has been made by a person with the authority to do so.

For: _____ _____ (Signature)

(Building Contractor)

Date: ____/____/____ _____ (Name)

For: _____ _____ (Signature)

(Equus Applicator)

Date: ____/____/____ _____ (Name)

4. Checklist And Method Statement

***** Denotes those processes which must be signed off by the Building Contractor as well.

No.	Process	Completed On	Building Contractor	Equus Contractor	Notes
1.*	All concrete surfaces shall be prepared with suitable methods to achieve a clean and porous surface. Check corresponding Specification for further instructions.				
2.	Surface imperfections shall be patched, using **Ready Rep Mortar**.				
3.	Shrinkage cracks in the concrete surface, which are 1 mm wide or greater, shall be ground out to a minimum 6 mm-wide by 12 mm deep. Pour **Matacryl Thix** into the crack, after the **Matacryl 108 H Primer** has been applied.				
4.	Cracks which are 3mm wide or greater, shall be ground out a min. 6 mm wide by 12 mm deep. Pour **Matacryl Manual LM** into the crack, after the **Matacryl 108 H Primer** has been applied.				
5.	Apply to concrete surfaces the suitably-catalysed **Matacryl 108 H Primer** to achieve a spreading rate of 0.3 - 0.5 kg per m^2, depending on surface porosity, to obtain a continuous resin film.				
6.	Apply to metal or plastic surfaces the suitably-catalysed **Matacryl 107 CM Primer** to achieve a spreading rate of 0.2 kg per m^2 to obtain a continuous resin film. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage of Catalyst added.				
7.	Apply suitably catalyzed **Matacryl Thix** membrane to coving turndowns and upstands.				
8.	Apply suitably-catalysed **Matacryl Manual** to achieve a spreading rate of 2 kg per m^2. Apply this coat by notched trowel or squeegee and then spike roll.				
9.	Apply over turning and high-traffic areas a coat of **Matacryl STC** to achieve a spreading rate of 0.2 kg per m^2. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage of Catalyst added.				

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4. Checklist And Method Statement

***** Denotes those processes which must be signed off by the Building Contractor as well.

No.	Process	Completed On	Building Contractor	Equus Contractor	Notes
10.	Mix **Matacryl 215 WL** with **SNL Powder** (1:1 ratio in weight) and catalyst as per mixing instructions. Pour onto deck, spread out to 2.5 kg/m^2 and broadcast 0.7 – 1.2 mm quartz into the wet wear layer at approx. 3-4 kg per m^2 (or to refusal) Allow to cure 45 to 60 minutes. Once this coat has cured, remove surplus aggregate by brooming/vacuum .				
11.	Apply suitably-catalysed **Matacryl STC** to achieve a spreading rate of 0.5 kg per m^2. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage of Catalyst added.				
12.	Apply a second coat of **Matacryl STC** to achieve a spreading rate of 0.3 kg per m^2. Allow to cure for 45 – 60 minutes, depending on site conditions and percentage of Catalyst added.				
13.	Penetrations in the **Matacryl System**. Fixing holes filled with **Tremco Dymonic FC** (PU sealant) and bolts half screwed in, leaving the sealant to cure for at least 6 hours. After 6 hours, finish the screwing process. This will act as a gasket.				

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MATACRYL MEMBRANE SYSTEM

NZ Building Code Compliance Technical Report

Executive Summary

This report presents an analysis of the properties of the Matacryl Membrane system and its compliance with the New Zealand Building Code when used as an external membrane for waterproofing decks, concrete roof areas, walkways, bridge decks, podiums and carparks, including above a habitable space.

Background

Matacryl is supplied to the NZ construction market for use as a waterproofing membrane. The analysis in this report reviews information provided by the manufacturer and presents it to support the manufacturer's evidence of compliance with the New Zealand Building Code.

It is intended to facilitate decision-making by a BCA when considering a building consent application.

What is the Matacryl Membrane system

The Matacryl Membrane system is a waterproofing membrane, applied over new or existing roof and deck substrates, such as concrete, in residential and commercial buildings, where a trafficable surface such as tiles and the like are installed over the top of the membrane. It can also be used directly as a trafficable surface by pedestrians and vehicles.

It consists of the following components……

- Duracon 108 primer (porous surfaces) or Duracon 107 primer (non-porous surfaces)
- Matacryl LM
- Matacryl Thix
- Matacryl Manual
- Duracon 307 or Duracon 319 Topcoats (when required)
- Duracon 2K FG Clear Topcoat (when required)
- Walton-Park 18/36 aggregate
- Duracon 215 bodycoat (when required)
- Matacryl STC Topcoat (when required)

Matacryl® products (Matacryl® Manual, Matacryl® Thix and Matacryl® LM) are urethane-modified pre-reacted 100% solid membrane systems based on acrylic monomers, formulated with a range of viscosities. Curing is initiated by the addition of Matacryl® Catalyst.

Duracon products are low viscosity multi-component reactive resins based on methyl methacrylate (MMA), used as primers and sealers on porous substrates.

Duracon 2K FG Clear Topcoat is a UV-stable two component aliphatic polyurethane overglaze for application over mineral aggregate floor surfaces.

Other components may be used as required to prepare the substrate or to provide for subsequent covering:

- Equus Ready Rep (repair mortar)
- ASO®-EZ6 Rapid Screed
- Textile AFM (a decoupling mat)
- Graded calcined Bauxite
- Coloured Quartz aggregate

Analysis

What are the applicable Building Code clauses?

The following code clauses are applicable to the use of the Matacryl Membrane system used as described above (see Appendix 1 for details of how these clauses are applicable):

B2 Durability – B2.3.1 (a)*, B2.3.1 (b), B2.3.2*
D1 Access Routes – D1.3.3(e)
E2 External Moisture – E2.3.1 (contributes to), E2.3.2, E2.3.6, E2.3.7
F2 Hazardous building materials – F2.3.1
(* where difficult to access or replace e.g. where protected by tiles or screed)

How does the Matacryl Membrane system comply with the performance requirements of the NZ Building Code?

B2 Durability

B2.3.1 (a), B2.3.1 (b), B2.3.2

The Matacryl Membrane system is outside the scope of Acceptable Solution B2/AS1. Verification Method B2/AS1 provides for the verification of durability by proof of performance, taking into account the expected service conditions by one or more of the following:

a) In-service history,
b) Laboratory testing,
c) Comparable performance of similar building elements.

The expected service conditions are dominated by resistance to immersion in water (if used in a directly trafficable application without protection) or exposure to UV and mechanical damage (if not protected).

The Matacryl (One Coat) Bridge Deck waterproofing system has been reviewed and a certificate issued by the BBA Agrément Board[1]. A bridge deck is particularly demanding for durability, as water contaminated by de-icing salts must be prevented from penetrating the bridge deck (where it would lead to corrosion of reinforcing steel). The design life of a bridge structure is typically in excess of 100 years. The BBA HAPAS certificate concluded that "provided the installed system is not damaged during subsequent resurfacing, it will provide an effective waterproof layer to the concrete bridge deck".
Tests conducted in support of the BBA Agrément certification included:

- tensile adhesion at –10°C, 23°C and 40°C
- resistance to chloride ion penetration
- resistance to freeze/thaw
- resistance heat ageing
- resistance to chisel impact
- resistance to aggregate indentation at 40°C, 80°C and 125°C
- resistance to thermal shock, heat ageing and crack cycling

- tensile adhesion to 7-day-old concrete substrate
- tensile adhesion of overlaps after 6 months
- shear adhesion of HRA surfacing to waterproofing system interface
- tensile bond strength of HRA surfacing to waterproofing surfacing system interface.
- tensile adhesion on tamped and timber formed surface finish of concrete substrate
- tensile adhesion of system installation at –5°C on concrete substrate.

Resistance to immersion in water is evidenced by the resistance to chloride ion penetration reported by the BBA HAPAS certification and by EXOVA[2].

Resistance to UV has been tested[10, 11] by assessment of colour change, hardness and tensile properties following accelerated exposure to UV radiation, with only negligible variations after UV exposure.

Enhanced resistance to UV when the membrane is exposed to sunlight is provided by Duracon 307. Silica sand added to the Matacryl and/or Duracon 307 to provide slip and wear resistance provide further protection from UV.

D1 Access Routes

The Matacryl Membrane system may be used in applications where it provides a trafficable surface for pedestrian access. Wet slip resistance of Matacryl with the addition of silica sand to the priming coat and wear resisting layer has been tested[9] by pendulum testing in accordance with BS 812. This exceeds the wet slip resistance required by Acceptable Solution D1/AS1.

Duracon has been tested in-situ by Opus[12] to AS/NZS 3661.1:1993 and found to have a mean wet coefficient of friction of 0.69, compared with a minimum required of 0.4.

E2 External Moisture

The Matacryl Membrane system is outside the scope of materials included in Acceptable Solution E2/AS1. A first principles approach, and comparison of relevant attributes with other products accepted in practice is taken below.

E2.3.1

MBIE Determination 2016/016[3] found that a nominally flat, or zero pitched roof, can provide for precipitated water to be shed, and comply with E2.3.1. It noted that the scope of E2/AS1 is limited to particular materials, not applicable to the Matacryl Membrane system. It noted also that the Code of Practice for Torch-on Membrane Systems for Roofs and Decks[4] provides for dialogue between the designer and supplier. In other words, the limits of fall are not absolute.

It noted that is possible, and realistic to expect, that a notionally flat roof structure could in practice have low points in which water would pond, but took the view that this is appropriately considered as a matter for compliance with E2.3.7(b), because such low points reflect construction tolerances, and are not a deliberate design to accumulate water.

The Matacryl Membrane system does not present any barrier to the shedding of precipitated water from the roof, even at nominally zero pitch, and therefore contributes to compliance with E2.3.1.

E2.3.2

The dominant considerations for E2.3.2 are resistance to water, and water vapour transmission.

The water vapour transmission, or permeability, has been tested and reported. For Matacryl Manual: 1.11 x 10^{-11} kg/(m^2.s.Pa)[5]. For comparison, this is similar to, or better than, other roof and deck membrane waterproofing products (2 x 10^{-10} kg/(m^2.s.Pa), or tanking materials (10^{-11} kg/(m^2.s.Pa).

Resistance to water pressure has been tested[5], with the membrane subjected to an applied pressure of 5 bars (500 kPa) for 72 hours, with zero water penetration through membrane.

The mechanical properties have been tested and reported[7].

The membrane has excellent adhesion to concrete (rupture within the concrete), good hardness (85 IRHD), ability to bridge cracks and excellent elongation at breaking (145%). The elongation at breaking can be compared with other well accepted roofing membrane products (elastomeric sheet approx. 400%, or torch-on bituminous membrane approx. 40%).

The membrane also has excellent crack bridging properties. Testing by Kiwa[8] with the following results: “after testing no cracks were detected in the waterproofing membrane”.

E2.3.7

The waterproof membrane being fully adherent to the underlying concrete or timber roof substrate minimises the passage of moisture should the membrane itself fail to resist penetration by moisture, which provides for E2.3.7(a) being met.

In considering E2.3.7(b) there is a possibility of unintended ponding of water at low points on a nominally flat deck as a consequence of normal construction tolerances.

When this is considered in the context of the functional requirement (clause E2.2) to provide adequate resistance to penetration and the accumulation of moisture from the outside, then provided the water resistance integrity of the membrane is not compromised then the functional requirement does not depend absolutely on precipitated water being shed.

The Matacryl Membrane system has been shown to resist the passage of water when tested at pressures up to 5 bar (500 kPa) for 72 hours. It is also used as for a range of applications where it could be subjected to long term or permanent hydrostatic water pressure e.g. sub-grade waterproofing of Buildings and Civil Engineering Structures, and protection and waterproofing of Tunnels, Channels and Dam structures. It follows that the membrane would provide sufficient resistance to water that might pond in localised low points, and therefore would satisfy E2.3.7(b).

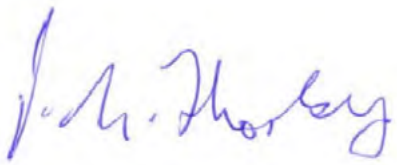
Tensile bond strength of the system applied to wet concrete tested after XX days [9] resulted in cohesive failure in the concrete. It can be concluded that the system is tolerant of application to concrete when it is not completely dry.

F2 Hazardous building Materials

The Matacryl Membrane system has no components[13] giving rise to harmful concentrations at the surface of the material where the material is exposed (notwithstanding the material is not exposed) nor in the atmosphere of any space. The resins are two-component resins which cure by a polymerisation reaction to produce an inert thermoset plastic with negligible residual reactivity.

Conclusions

The Matacryl Membrane system used as described and installed in accordance with the manufacturer's installation instructions complies with the applicable performance requirements of the NZ Building Code.



P N Thorby

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    - Duracon 205
    - Duracon 215
    - Duracon 307
    - Duracon 319
    - Duracon 2K FG Clear Topcoat
    - Duracon Catalyst
    - Matacryl Manual
    - Matacryl LM
    - Matacryl STC

Appendix 1 Code Clause Analysis

This appendix sets out the analysis of which code clauses are applicable to the use of the Matacryl Membrane system as an external waterproofing membrane.

B1 Structure -

Consideration has been given to B1.3.1, B1.3.2, the applicable physical conditions of B1.3.4, and B1.3.4.

Careful reading of B1.3.2 and B1.3.1 would lead to the conclusion that these are not applicable, because the structural failure of the membrane is not likely to cause injury, nor is the structural behaviour likely to cause loss of amenity. Clauses B1.3.3 and B1.3.4 then become not applicable.

Having said that, and taking a "fitness for purpose" view, the membrane would be unaffected by wind loads and applied loads in service such as those resulting from pedestrian traffic on the membrane, dead loads of say tiles or pavers laid on top etc.

B2 Durability –

If the membrane is uncovered and not difficult to replace the code requirement is B2.3.1(b), fifteen years. If the membrane is covered and difficult to replace the code requirement is 50 years.

There are two typical environments that that lead to degradation of a membrane such as this. The first is exposure to UV radiation (sunlight). The second is failure of the product by hydrolysis when continuously immersed in water.

The Matacryl membrane is designed to tolerate both of these environments, and there are correspondingly different code obligations depending on the accessibility of the membrane.

If the membrane is exposed to UV, then typically the membrane would not be difficult to access or replace, and the requirement would be B2.3.1 (b) and the predominant failure would be UV degradation. The possibility of ponding would also need to be considered.

If the membrane is protected from UV, by say tiles or pavers, or having been overlayed by a plaster screed to form falls, then exposure to UV is not applicable, the effect of immersion in water is applicable, and the requirement is B2.3.1 (a).

Where the membrane is difficult to access or replace (such as under tiles or under a screed) then B2.3.2 is also applicable.

D1 Access Routes –

The Matacryl Membrane system can be used to provide a trafficable surface for pedestrians (e.g. decks and walkways) and vehicles (e.g. car parks). An access route (for pedestrians) in buildings is required to have adequate slip-resistant walking surfaces under all conditions of normal use. Specifically. Clause D1.3.3(e) is applicable.

E2 External Moisture -

The primary purpose of the Matacryl Membrane system is to "provide adequate resistance to penetration by, and the accumulation of, moisture from the outside" as required by the functional requirement E2.2.

Looking at each of the E2 clauses:

E2.3.1 Roofs must shed precipitated moisture. In locations subject to snowfalls, roofs must also shed melted snow.

This is a requirement of a roof. It is reasonable to consider a deck in the same context, but in neither case does it explicitly apply to the membrane. Compliance with the clause is achieved by having appropriate roof pitch, which is determined by the substrate and not the membrane. Notwithstanding this, it is reasonable to consider whether the membrane compromises compliance with this clause, and it is now conventional to ascribe a "contributes to" compliance where the product is obviously associated with a user expectation.

E2.3.2 Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to *building elements*, or both.

This clause is functionally directly relevant.

E2.3.3 Walls, floors, and structural elements in contact with, or in close proximity to, the ground must not absorb or transmit moisture in quantities that could cause undue dampness, damage to *building elements*, or both.

This clause is not applicable – the membrane is not a "wall, floor, or structural element in contact with, or in close proximity to, the ground", nor is it a part of any of those building elements.

E2.3.4 *Building elements* susceptible to damage must be protected from the adverse effects of moisture entering the space below suspended floors.

This clause is not applicable.

E2.3.5 *Concealed spaces* and cavities in *buildings* must be constructed in a way that prevents external moisture being accumulated or transferred and causing condensation, fungal growth, or the degradation of *building elements*.

This clause is not applicable.

E2.3.6 Excess moisture present at the completion of *construction* must be capable of being dissipated without permanent damage to *building elements*.

This clause is not applicable. The membranes do not contain moisture.

E2.3.7 *Building elements* must be constructed in a way that makes due allowance for the following:
(a) the consequences of failure:
(b) the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
(c) variation in the properties of materials and in the characteristics of the site.

This clause is applicable. It is effectively a "robustness test" for the product, and tests that the product is robust and can be effectively installed in practice.

Appendix 2 Application to Princes Wharf Remediation

The system specified for the Prices Wharf remediation consists of:

- Matacryl Membrane system applied to prepared concrete deck substrate
- Concrete screed to falls
- Matacryl Membrane system applied to fully cured screed
- Decoupling mat
- Tiles set in full bed waterproof adhesive.

Analysis

The system described is a “belts and braces” approach to ensuring the long-term performance with respect to External Moisture. It is a robust system with multiple layers of defence.

Effectively it provides a double membrane layer, both protected from UV. The top layer could potentially be subject to long term water immersion due to water penetration between tile joints and subsequent migration through the decoupling mat. The Matacryl Membrane system is not affected by water immersion and would continue to provide a barrier to water movement. In the unlikely event that the top layer of Matacryl Membrane system was imperfect, water would then need to migrate through the screed, (which is itself resistant to water migration), and then also penetrate through a second Matacryl Membrane system.

The Matacryl Membrane system has a high degree of extension before failure and is capable of accommodating crack movement in the concrete substrate.

Matacryl Membrane system has a high bond with concrete (even if applied to damp concrete) and is not affected by any applied loads that might occur. Evidence of this is provided by its use (with aggregates) as a trafficable surface for carparking buildings, and as waterproofing for road bridge decks.

The decoupling mat provides for the tiles to be mechanically separated from the weatherproofing membrane and substrate.

The body of this report sets out how the Matacryl Membrane system complies with the relevant performance requirements of the New Zealand Building Code.

Conclusion

The system specified for the Prices Wharf remediation using the Matacryl Membrane system, and installed in accordance with the manufacturer’s instructions, is robust and meets the performance requirements of the New Zealand Building Code

Tekton Consulting
Tekton Group Ltd, PO Box 45045, Lower Hutt 5042, ph: +64 27 2300120

Introducing …… Tekton

About Tekton

Tekton's mission is to support innovation and growth of the NZ building and construction sector.

Tekton offers consultancy services to the construction, product manufacturing and supply sector and the building regulatory sector.

Tekton specialises in providing technical expertise and building system regulatory knowledge to building product manufacturers and importers to support their obligations regarding product information and product certification, and to Product Certification bodies as an expert input to their decision making about certification of products.

Tekton's Work

Tekton has a wide range of clients. They include large New Zealand and Australian building product manufacturing corporates, medium and smaller enterprises looking to establish building regulatory credentials for a particular imported building product, and Government agencies.

The following is a snapshot of some key areas of Tekton's work:

Product Certification (Codemark)

Product certification is a voluntary scheme that provides an easily understood and robust way to show that a building product meets the requirements of the New Zealand Building Code (the Building Code).

Tekton works with accredited "product certification bodies", as their technical expert or regulatory advisor, or with applicants assisting them with the preparation of their application for certification of their product.

Product Technical Statements

Section 14 of the (New Zealand) Building Act sets out the responsibilities of the various parties with respect to building work. Section 14G requires product manufacturers or suppliers to be able to support their claims that their product complies with the New Zealand Building Code.

A Product Technical Statement (PTS) is a recommended way of meeting this obligation. A PTS is a statement made by a product manufacturer (or supplier) stating which performance requirements of the building code the product complies

with, and any caveats or limitations to the use of the product that affect its code compliance.

Tekton works with product manufacturers to prepare and publish product technical statements.

Pre-Manufactured Building Components

Interest in componentised construction continues to increase, and ranges from small prefabricated assembles through to complete dwellings, often manufactured offshore. Meeting regulatory obligations for some componentised systems, particularly manufactured offshore, can be quite different from conventional “on-site” construction.

Tekton can assist in this area and works with clients to establish evidence of compliance with the New Zealand Building Code.

Introducing Peter Thorby

Peter Thorby is the sole shareholder-employee of Tekton. He has an extensive track record of engagement with the building and construction sector. He has a detailed knowledge of the Building Code, and the building regulatory system, in particular the setting of regulatory standards, the development of compliance solutions, and the consenting of building work.

Peter has a background in materials and building science research and consultancy, maintenance management policy, and building standards regulatory policy development.

Building on his Master of Engineering degree (in Chemical and Materials Engineering) he has spent 40 years in the building and construction sector.

He has led teams of technical and professional experts in the performance of building materials and the development of regulatory standards and compliance solutions.

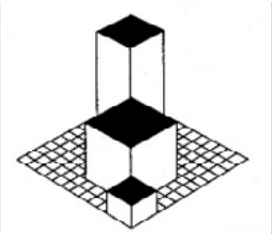
Prior to establishing Tekton in 2014 he held employment at the Ministry of Business, Innovation and Employment (and its predecessor Department of Building and Housing) as the Manager of the Building Standards Group. In that role he was responsible for the development and maintenance of the New Zealand Building Code, Verification Methods, Acceptable Solutions and guidance issued under S175 of the Building Act. He was the inaugural manager of the National Multiple Use Approvals (MultiProof) group.

Immediately prior to that he led a three-year review of the New Zealand Building Code (required by the Building Act 2004). The report of that review was presented to the government in 2007, and its recommendations have informed subsequent amendments to the Building Code and associated supporting documents and guidance.

Peter provides technical and/or regulatory support to all the currently accredited Product Certification Bodies. Peter also provided technical and/or regulatory support to AsureQuality before that organisation made a business decision to discontinue providing Codemark certifications.

Employment Experience

Building Materials research and consultancy	▪ Research Scientist, Pottery and Ceramics Research Association ▪ Building Science Section Head, MWD Central Laboratories ▪ Tekton Consulting
Construction sector engagement	▪ Technical Development Manager, Housing New Zealand Ltd ▪ Business Development Manager, Opus Central Laboratories ▪ Manager Building Code Review, MBIE ▪ Manager Building Standards, MBIE ▪ Tekton Consulting
Building Code policy	▪ Manager Building Code Review, MBIE ▪ Manager Building Standards, MBIE
Product compliance support	▪ Building Science Section Head, MWD Central Laboratories ▪ Tekton Consulting



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Tekton Consulting

Company Name	Tekton Group Limited
Company Number	432962
NZBN	9429039327451
Date of Incorporation	May 1989
Postal Address	PO Box 45045, Lower Hutt, New Zealand 5042
Office Location	Wellington

Note: The Company was incorporated under the Companies Act 1955 as Thorby Building Consultants Limited in May 1989 and renamed Tekton Group Limited in November 1992. It was reregistered to become a company under the Companies Act 1993 on 1 July 1997.

Tekton Group Limited uses its brand Tekton Consulting (often simply shortened to “Tekton”).

EQUUS PRODUCT SYSTEM REFERENCE SHEET

Substrate preparation

Primer Application to concrete substrate

Application of Matacryl carpark membrane

Completed Matacryl Carpark to ramp

Finished project

Project Name: The Hub Hornby, Carpark

Location: Christchurch

Project Type: Carpark

Project Size: 2500 sqm

System: Matacryl Carpark System

Certified Applicator: SWP Commercial Ltd

Main Contractor: Leighs Construction Ltd

Architect: The Buchan Group

Completion Date: 2014

Equus Industries Ltd

Email: info@equus.nz

Website: www.equus.nz

EQUUS PRODUCT SYSTEM REFERENCE SHEET

Substrate preparation

Crack repair to existing substrate

Application of Matacryl carpark membrane

Completed Matacryl Carpark

Finished project

Project Name: Riccarton Mall Carpark

Location: Christchurch

Project Type: Carpark

Project Size: 12,000 sqm

System: Matacryl Carpark System refurbishment

Certified Applicator: SWP Commercial Ltd

Architect: Westfield Property Dept.

Completion Date: 2013

Equus Industries Ltd

Email: info@equus.nz

Website: www.equus.nz

MATACRYL CARPARK SYSTEM

Liquid applied heavy duty waterproofing membrane

November 2024

PURPOSE AND AREAS OF USE:
The Matacryl Carpark System is a liquid applied elastomeric waterproofing membrane designed to waterproof and protect concrete carpark decks. The system is designed for easy application and easy maintenance with an integrated non-skid surface profile for traffic, the Matacryl Carpark System also cures very quickly meaning minimal disruption and downtime for the building owner.

PRODUCT:
The system encompasses the products below. Refer to details below and standard Equus specification for full specification information.

Matacryl 108 H Primer	Matacryl 107 CM Primer	Matacryl Manual
Matacryl STC	Matacryl Manual LM	Matacryl Thix
Matacryl 215 WL	SNL Powder	Matacryl Catalyst
Sand for broadcasting		

COLOUR:
Matacryl Carpark is supplied in a standard colour of RAL 7001 but other colours are available on request.

SCOPE OF USE:
The Matacryl Carpark System is a multi-layer application, suitable for use over new or existing concrete. Matacryl membrane is commonly used for carparking applications, both interior and exterior, but can be used in a wide range of areas. Other applications can include as a bridge deck waterproofing, sub-grade waterproof detailing including below-grade slabs, pedestrian and vehicular trafficable areas, tunnels, channels and dam structures.

The cured system is a very flexible crack-bridging membrane that retains its flexibility and crack-bridging performance in service even in low temperatures.

BUILDING CODE COMPLIANCE:
B2 Durability - B2.3.1(c) In-service history shows Matacryl Waterproofing has a durability of at least 5 years when installed with the correct specification, installation and maintenance. See Tekton Consulting NZBC Compliance Report.

D1 Access routes - D1.3.3(d) Matacryl Waterproofing complies with D1/AS1 on level surfaces, and on sloping surfaces and stairs. See Tekton Consulting NZBC Compliance Report.

E2 External moisture - E2.3.1, E2.3.2, E2.3.7 Test data, together with in-service history in New Zealand and internationally, of the correctly installed Matacryl Waterproofing membrane over correctly designed and constructed substrates, show that the membrane successfully resists the ingress of moisture. See Tekton Consulting NZBC Compliance Report.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that Matacryl Waterproofing complies with this performance requirement. Refer to SDS at www.equus.nz. See Tekton Consulting NZBC Compliance Report.

Fire Resistance - Matacryl Waterproofing has been tested as per ISO 9239-1:2002 Reaction to fire tests for floorings. Radiant Flux = 6.6kW/m2

SUPPORTING DOCUMENTATION:

Tekton Consulting NZBC Compliance Report	6 October 2020	www.equus.nz/content/reports/nzbc-compliance-matacryl.pdf
Other technical reports can be provided on request.		

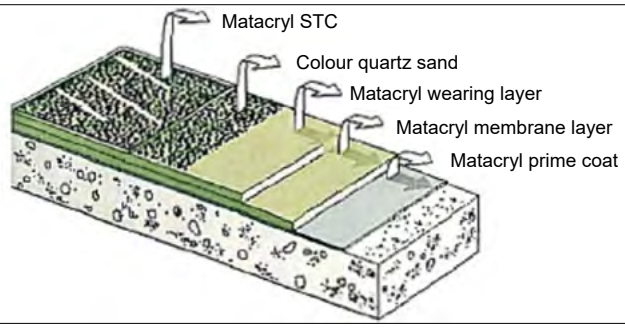
Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: info@equus.nz | Web: www.equus.nz

MATACRYL CARPARK SYSTEM

Liquid applied heavy duty waterproofing membrane

November 2024

STRUCTURAL SCHEME:



PRIMER:

For cementitious substrates	Matacryl 108 H Primer	0.3-0.5 kg/m^2
For ceramic/metal substrates	Matacryl 107 CM Primer	approx. 0.2 kg/m^2

OUTDOOR AND INDOOR PARKING AND DRIVE AREAS:

Membrane layer	Matacryl Manual	2.0 kg/m^2
Wearing layer Filler Broadcast	Matacryl 215 WL SNL powder Natural sand (0.7-1.2 mm)	2.5 kg/m^2 - approx. 4.0 kg/m^2
Sealcoat	Matacryl STC Clear/Pigmented	0.5 kg/m^2
Second sealcoat	Matacryl STC Clear/Pigmented	0.3 kg/m^2

OUTDOOR AND INDOOR RAMPS AND TURNING CIRCLES:

Membrane layer	Matacryl Manual	2.0 kg/m^2
Bonding layer	Matacryl STC	0.2 kg/m^2
Wearing layer Filler Broadcast	Matacryl 215 WL SNL powder Natural sand (0.7-1.2 mm)	2.5 kg/m^2 - approx. 4.0 kg/m^2
Sealcoat	Matacryl STC Clear/Pigmented	0.5 kg/m^2
Second sealcoat	Matacryl STC Clear/Pigmented	0.3 kg/m^2

The exact consumption depends on porosity and flatness of the substrate. The consumptions are valid for an application at +20°C. For full details please refer to the relevant Technical Data Sheet.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: info@equus.nz | Web: www.equus.nz

MATACRYL CARPARK SYSTEM

Liquid applied heavy duty waterproofing membrane

November 2024

MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
Manufacturer email	info@equus.nz
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306

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DURACON 108/MATACRYL 108 H PRIMER

Primer for damp or new concrete

April 2024

PRODUCT:
Duracon 108/Matacryl 108 H Primer is a low viscosity, colourless, two component reactive resin based on methyl methacrylate (MMA).

USAGE:
Duracon 108/Matacryl 108 H Primer is used as a special prime coat for damp or new concrete substrates. We strongly recommend with all Duracon/Matacryl Primers that curing and adhesion tests are conducted on a particular substrate prior to general use on site.

KEY BENEFITS:

- Improved adhesion to damp concrete and cementitious base substrates.
- Fast and safe curing even at low temperatures.
- Provides good adhesion to subsequent coats.

STANDARD PACKS:
180 kg steel drums, 18 kg metal pails.

SHELF LIFE:
6 months when stored in a cool and dry place and in original sealed packaging. Keep additive and catalyst separate. The optimal storage temperature is 15-20°C.

Liquid State		
Viscosity, 25°C	100-130 mPa*s	DIN 53018
Density, 25°C	1.02 g/ml	ISO 2811
Pot life/processing time at 20°C	approx 15 min.	
Curing time at 20°C	approx 60 min.	
Flash Point	+11.5°C	ISO 1516

Cured State		
Tensile strength	10.4 N/mm^2	ISO 527
Elongation at max. strength	2.1%	
Elongation at fracture	2.1%	
Modulus of elasticity	720 N/mm^2	
Density, 20°C	1.18 g/cm^3	ISO 1183

PROPERTIES:
Please note that an objective comparison with other data is only possible if norms and parameters are identical.

SURFACE PREPARATION:
Duracon 108/Matacryl 108 H Primer is suitable for damp concrete and cementitious substrates. There must not be any visible water on the surface. The substrate must be firm, solid and free of dust, fat and oil. Laitance and loose particles must be removed thoroughly, e.g. by shot blasting. Fats or oils can be removed by flame blasting for example. It can also be used on dry surfaces.

MIXING:
Prior to use, Duracon 108/Matacryl 108 H Primer must be carefully stirred to achieve a uniform distribution of the agents contained in the product. Duracon 108/Matacryl 108 H Primer is thoroughly mixed together with the Duracon/Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the below guidelines.

It should be noted that the amount of catalyst powder to be added depends upon the temperature.

At 30°C	Add 2% by weight of resin
At 20°C	Add 3% by weight of resin
At 10°C	Add 4% by weight of resin
At 0°C	Add 6% by weight of resin
Below 0°C	Add 6% by weight of resin and additionally add Duracon 404, which is an accelerating agent.

Note: Weight to Volumetric conversion of Catalyst: 1 cc of Duracon/Matacryl Catalyst weights 0.64 g. 1gm of Duracon/Matacryl Catalyst = 1.57 cc.

Equus Industries Ltd. PO Box 601, Blenheim | Phone: 03 578 0214 | Email: admin@equus.nz | Web: www.equus.nz

DURACON 108/MATACRYL 108 H PRIMER

Primer for damp or new concrete

April 2024

APPLICATION:
After the catalyst has been stirred in, the primer is poured onto the substrate in stripes and spread with a short-pile paint roller. A notched rubber squeegee can be used for fast distribution of large quantities. Apply at a rate of between 300 gr/m² to 500 gr/m² depending on density and porosity of the substrate. In any case, continue applying primer until saturation occurs to obtain a continuous resin film. On extremely porous substrates a second prime coat may be required. When a continuous resin film is obtained, broadcast dried quartz sand (particle size 0.7-1.2 mm or 0.3-0.7 mm) into the still wet primer. Consumption approximately 0.5 kg/m².

HEALTH AND SAFETY:
Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon 108/Matacryl 108 H Primer. In case of contact with eyes, rinse immediately for a long period of time and consult a physician. In case of contact with skin, clean immediately with water and soap.

Duracon 108/Matacryl 108 H Primer is highly flammable; keep away from heat and all sources of ignition and do not smoke. The stirrer as well as all the other electric appliances used on the application site must be explosion-proof versions. For further information see our Material Safety Data Sheets.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
Manufacturer website	
Manufacturer email	orders@tremco.com.au
Manufacturer phone number	+61 2 4648 0397

Equus Industries Ltd. PO Box 601, Blenheim | Phone: 03 578 0214 | Email: admin@equus.nz | Web: www.equus.nz

DURACON 107/MATACRYL 107 CM PRIMER

Primer for metal and tile substrates

April 2024

PRODUCT:
Duracon 107/Matacryl 107 CM Primer is a low viscosity, colourless, two component reactive resin based on methyl methacrylate (MMA).

KEY BENEFITS:

- Exhibits excellent adhesion to metal and ceramic tile substrates.
- Easy to apply

USAGE:
Duracon 107/Matacryl 107 CM Primer is used as a primer to give excellent bonding to metal substrates (e.g. iron, aluminum, stainless steel) and to ceramic tile substrates. We strongly recommend with all Duracon/Matacryl primers that curing and adhesion tests are conducted on the particular substrate prior to general use on site.

STANDARD PACKS:
180 kg steel drums, 50 kg metal pails, 20 kg pails.

SHELF LIFE:
Six months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15-20°C.

PROPERTIES:

Liquid State			Cured State		
Viscosity, 25°C	100-130 mPa*s	DIN 53018	Tensile strength	13.3 N/mm^2	ISO 527
Density, 25°C	0.99 g/ml	ISO 2811	Elongation at max. strength	1.3%	
Pot life/processing time at 20°C	approx 15 min.		Elongation at fracture	1.3%	
Curing time at 20°C	approx 30 min.		Modulus of elasticity	1500 N/mm^2	
Flash Point	+11.5°C	ISO 1516	Density, 20°C	1.16 g/cm^3	ISO 1183

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

SURFACE PREPARATION:
All substrates must be dry, firm, solid and free of dust, fat and oil. Loose tiles and tiles over hollows must also be removed. Steel substrates must be prepared to SA 2.5 (according to DIN 55929).

MIXING:
Prior to use, Duracon 107/Matacryl 107 CM Primer must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Duracon 107/Matacryl 107 CM Primer is thoroughly mixed together with the Duracon/Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the below guidelines.

It should be noted that the amount of catalyst powder to be added depends upon the temperature.

At 30°C	Add 1% by weight of resin
At 20°C	Add 2% by weight of resin
At 10°C	Add 4% by weight of resin
At 0°C	Add 6% by weight of resin

Note: Weight to Volumetric conversion of Catalyst: 1 cm^3 of Duracon/Matacryl Catalyst weights 0.64 g. 1g of Duracon/Matacryl Catalyst = 1.57 cm^3.

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DURACON 107/MATACRYL 107 CM PRIMER

Primer for metal and tile substrates

April 2024

APPLICATION:
After the catalyst has been stirred in, the primer is applied with a short-pile paint roller. Fire-dried quartz sand (particle size 0.7-1.2mm or 0.3-0.7mm) is broadcast into the still wet primer. Consumption approximately 0.3kg/m^2.

HEALTH AND SAFETY:
Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon107 /Matacryl 107 CM Primer.

In case of contact with eyes, rinse immediately for a long period of time and consult a physician. In case of contact with skin, clean immediately with water and soap.

Duracon 107/Matacryl 107 CM Primer is highly flammable; keep away from heat and all sources of ignition and do not smoke. The stirrer as well as all the other electric appliances used on the application site must be explosion-proof versions. For further information see our Material Safety Data Sheets.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
Manufacturer website	
Manufacturer email	orders@tremco.com.au
Manufacturer phone number	+61 2 4648 0397

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MATACRYL THIX

A thixotropic version of Matacryl Manual

August 2024

PRODUCT:
Matacryl Thix is a viscous, urethane-modified, prereacted 100% solid membrane system based on acrylic monomers. To initiate curing, just add Matacryl Catalyst.

USAGE:
Matacryl Thix is designed as a simple to apply, highly elastomeric liquid waterproofing membrane and coating, for vertical and inclined substrates. The cured product is a very flexible crack-bridging membrane that retains its flexibility and crack-bridging performance in service even when the temperature reaches -20°C.

KEY BENEFITS:

- Highly flexible
- Excellent crack bridging characteristics
- Easy to apply
- Excellent waterproofing properties
- Very high impact and puncture resistance
- Good chemical and abrasion resistance
- Fully cured one hour after application

The areas of application for Matacryl Thix include:

- As a Bridge Deck waterproofing membrane, on to which asphalt at temperatures up to 250°C can be directly applied.
- For sub-grade waterproofing of Buildings and Civil Engineering Structures, including below-grade Slabs.
- Waterproofing of concrete and metal Railway bridges including directly under track ballast.
- Waterproofing of Pedestrian and Vehicular trafficable areas (Balconies, Car Parks etc.)
- Protection and waterproofing of Tunnels, Channels and Dam structures.
- Waterproofing of containment structures including Reservoirs and waste and contaminated material storage structures.
- Offshore platforms.

Matacryl Thix can be applied at a wide range of ambient and substrate temperatures (-10°C to +35°C) onto cementitious based screeds, concrete, metal, and ceramic tile substrates, and filled bitumen/asphalt under specific conditions.

STANDARD PACKS:
30 kg units.

PROPERTIES:

Liquid State		
Viscosity, 25°C	4000 mPa*s	DIN 53018
Density, 25°C	1.36 g/ml	ISO 2811
Pot life/processing time at 20°C	15 min.	
Curing time at 20°C	approx. 60 min.	
Flash Point	+11.5°C	ISO 1516

Cured State tested at 20°C		
Tensile strength	6.7 N/mm^2	ISO 527
Elongation	320%	ISO 527
Modulus of elasticity	65 MPa	ISO 527
Abrasion 1000 cycles	64 mg	ISO 7784-2
Dynamic crack-bridging	>5 mm	BPG
Shore A hardness	>85 IRHD	NFP 98285
Shore D hardness	55	DIN 53505

Cured State samples conditioned at -20°C for 24hrs before testing		
Tensile strength	7.1 N/mm^2	ISO 527
Elongation	340%	ISO 527
Modulus of elasticity	460 MPa	ISO 527
Dynamic crack-bridging	>5 mm	BPG

Equus Industries Ltd. PO Box 601, Blenheim | Phone: 03 578 0214 | Email: admin@equus.nz | Web: www.equus.nz

MATACRYL THIX

A thixotropic version of Matacryl Manual

August 2024

SUBSTRATE PREPARATION:
The area to be waterproofed must be dry, firm, solid and free of dust, fat and oil. Laitance and loose particles must be removed thoroughly, e.g. by shot blasting. Fats or oils as well as humidity can be removed by flame blasting for example. Before application of Matacryl Thix, a suitable Matacryl Primer, including sand-blinding when appropriate, must be first applied. For further details, see our general preparation and application guidelines for Matacryl waterproofing systems.

MIXING:
Prior to use, Matacryl Thix must be carefully stirred to achieve a uniform distribution of agents contained in the product. Matacryl Thix is then thoroughly mixed together with the Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the following guidelines.

It should be noted that the amount of catalyst powder to be added depends upon the substrate temperature.

At 30°C:	Add 200 grams of catalyst to a pail of 30 kg
At 20°C:	Add 350 grams of catalyst to a pail of 30 kg
At 10°C:	Add 700 grams of catalyst to a pail of 30 kg
At 0°C:	Add 1200 grams of catalyst to a pail of 30 kg
Below -5°C:	Add 1200 grams of catalyst to a pail of 30 kg and additionally add Matacryl Accelerator. Please contact your Equus Representative for further details.

Note: Weight to Volumetric conversion of Catalyst. 1 cc of Matacryl Catalyst weighs 0.64gm. 1gm of Matacryl Catalyst = 1.57 cc

APPLICATION:
Matacryl Thix is designed to be manually applied using a brush, roller or squeegee.

CONSUMPTION:
For product consumption per m²; please consult the System Build-up Sheets.
Per layer of membrane; a minimum thickness of 1mm (=1.23kg/m²) should always be applied per coat.

SHELF LIFE:
SIx months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15-20°C.

BUILDING CODE COMPLIANCE:
For Building Code Compliance information see the (EMC) Equus Matacryl Carpark System TDS or (EMP) Equus Matacryl Pedestrian System TDS.

HEALTH AND SAFETY:
Protective clothing, gloves and safety goggles must be worn when filling, mixing or handling of Matacryl Thix. When the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapour as well as direct contact with skin or eyes. For further information see our Safety Data Sheet.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
Manufacturer website	
Manufacturer email	orders@tremco.com.au
Manufacturer phone number	+61 2 4648 0397

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MATACRYL MANUAL LM

Liquid applied low modulus waterproofing membrane

August 2024

PRODUCT:
Matacryl Manual LM is a medium viscosity, urethane-modified, prereacted 100% solid membrane system based on acrylic monomers. To initiate curing, just add Matacryl Catalyst.

USAGE:
Matacryl Manual LM is designed as a liquid applied, low modulus waterproofing membrane and coating. Can also be used as a joint filler with low dynamic movements.

The cured product is a very flexible crack-bridging membrane that retains its flexibility and crack-bridging performance in service even when the temperature reaches -30°C.

KEY BENEFITS:

- Highly flexible
- Excellent crack bridging characteristics
- Easy to apply
- Excellent waterproofing properties
- Very high impact and puncture resistance
- Good chemical and abrasion resistance
- Fully cured one hour after application

The areas of application for Matacryl Manual LM include:

- As a Bridge Deck waterproofing membrane, on to which asphalt at temperatures up to 250°C can be directly applied.
- For sub-grade waterproofing of Buildings and Civil Engineering Structures, including underneath Ground Slabs.
- Waterproofing of concrete and metal Railway bridges including directly under track ballast.
- Waterproofing of Pedestrian and Vehicular trafficable areas (Balconies, Car Parks etc.)
- The protection and waterproofing of Stadium Terracing.
- Protection and waterproofing of Tunnels, Channels and Dam structures.
- Waterproofing of containment structures including Reservoirs and waste and contaminated material storage structures.
- As a joint filler for joints with low dynamic movements.

Matacryl Manual LM can be applied at a wide range of ambient and substrate temperatures (-10°C to +35°C) onto cementitious based screeds, concrete, filled bitumen/asphalt, metal, ceramic tile and wood substrates.

STANDARD PACKS:
25 kg units.

PROPERTIES:

Liquid State		
Viscosity, 25°C	270-430 mPa*s	DIN 53018
Density, 25°C	1.23 g/ml	ISO 2811
Pot life/processing time at 20°C	15 min.	
Curing time at 20°C	approx. 60 min.	
Flash Point	+11.5°C	ISO 1516

Cured State tested at 20°C		
Tensile strength	5.0 N/mm^2	ISO 527
Elongation	330%	ISO 527
Modulus of elasticity	8.3 MPa	ISO 527
Abrasion 1000 cycles	64 mg	ISO 7784-2
Dynamic crack-bridging	>5 mm	BPG
Shore A hardness	>85 IRHD	NFP 98285
Shore D hardness	55	DIN 53505

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MATACRYL MANUAL LM

Liquid applied low modulus waterproofing membrane

August 2024

PROPERTIES continued:

Cured State samples conditioned at -20°C for 24hrs before testing		
Tensile strength	4.3 N/mm^2	ISO 527
Elongation	315 %	ISO 527
Modulus of elasticity	225 MPa	ISO 527
Dynamic crack-bridging	>5 mm	VTT

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

SUBSTRATE PREPARATION:
The area to be waterproofed must be dry, firm, solid and free of dust, fat and oil. Laitance and loose particles must be removed thoroughly, e.g. by shot blasting. Fats or oils as well as dampness can be removed by flame blasting for example. Before application of Matacryl Manual LM, a suitable Matacryl Primer must be first applied, including sand-blinding when appropriate. For further details, see our general preparation and application guidelines for Matacryl waterproofing systems.

MIXING:
Prior to use, Matacryl Manual LM must be carefully stirred to achieve a uniform distribution of paraffin contained in the product. Matacryl Manual LM is then thoroughly mixed together with the Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the following guidelines.

It should be noted that the amount of catalyst powder to be added depends upon the substrate temperature.

At 30°C:	Add 250 grams of catalyst to a pail of 25 kg
At 20°C:	Add 350 grams of catalyst to a pail of 25 kg
At 10°C:	Add 600 grams of catalyst to a pail of 25 kg
At 0°C:	Add 1000 grams of catalyst to a pail of 25 kg
Below –5°C:	Add 1000 grams of catalyst to a pail of 25 kg and additionally add Matacryl Accelerator. Please contact your Equus Representative for further details.

Note: Weight to Volumetric conversion of Catalyst. 1 cm^3 of Matacryl Catalyst weighs 0.64gm. 1gm of Matacryl Catalyst = 1.57 cm^3

APPLICATION:
Matacryl Manual LM is designed to be manually applied using a trowel or squeegee.

THIXOTROPY:
If a slightly higher thixotropy of Matacryl Manual LM is required up to 1% (by weight) of silica based thixotropic agent can be mixed in on site.

CONSUMPTION:
For product consumption per m²; please consult the System Build-up Sheets.
Per layer of membrane; a minimum thickness of 1mm (=1.23 kg/m²) should always be applied per coat.

SHELF LIFE:
Six months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15-20°C.

BUILDING CODE COMPLIANCE:
For Building Code Compliance information see the (EMC) Equus Matacryl Carpark System TDS or (EMP) Equus Matacryl Pedestrian System TDS.

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MATACRYL MANUAL LM

Liquid applied low modulus waterproofing membrane

August 2024

HEALTH AND SAFETY:
Protective clothing, gloves and safety goggles must be worn when filling, mixing or handling of Matacryl Manual LM. When the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapour as well as direct contact with skin or eyes. For further information see our Safety Data Sheet.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
Manufacturer website	
Manufacturer email	orders@tremco.com.au
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MATACRYL MANUAL

Manually applied 100% seamless waterproofing membrane

August 2024

PRODUCT:
Matacryl Manual is a medium viscosity, urethane-modified, prereacted 100% solid membrane system based on acrylic monomers. To initiate curing, just add Matacryl Catalyst.

USAGE:
Matacryl Manual is designed as a simple to apply, highly elastomeric liquid waterproofing membrane and coating. The cured product is a very flexible crack-bridging membrane that retains its flexibility and crack-bridging performance in service even when the temperature reaches -20°C.

KEY BENEFITS:

- Highly flexible
- Excellent crack bridging characteristics
- Easy to apply
- Excellent waterproofing properties
- Very high impact and puncture resistance
- Good chemical and abrasion resistance
- Fully cured one hour after application

The areas of application for Matacryl Manual include:

- As a Bridge Deck waterproofing membrane, on to which asphalt at temperatures up to 250°C can be directly applied.
- For sub-grade waterproofing of Buildings and Civil Engineering Structures, including below-grade Slabs.
- Waterproofing of concrete and metal Railway bridges including directly under track ballast.
- Waterproofing of Pedestrian and Vehicular trafficable areas (Balconies, Car Parks etc.)
- Protection and waterproofing of Tunnels, Channels and Dam structures.
- Waterproofing of containment structures including Reservoirs and waste and contaminated material storage structures.
- Offshore platforms.

BRANZ Appraised
Appraisal No. 1037

Matacryl Manual can be applied at a wide range of ambient and substrate temperatures (-10°C to +35°C) onto cementitious based screeds, concrete, metal, and ceramic tile substrates, and filled bitumen/asphalt under specific conditions.

STANDARD PACKS:
30 kg units.

PROPERTIES:

Liquid State		
Viscosity, 25°C	460-730 mPa*s	DIN 53018
Density, 25°C	1.3 g/ml	ISO 2811
Pot life/processing time at 20°C	15 min.	
Curing time at 20°C	approx. 60 min.	
Flash Point	+11.5°C	ISO 1516

Cured State tested at 20°C		
Tensile strength	8.4 N/mm^2	ISO 527
Elongation	370%	ISO 527
Modulus of elasticity	78 MPa	ISO 527
Abrasion 1000 cycles	64 mg	ISO 7784-2
Dynamic crack-bridging	>5 mm	BPG
Shore A hardness	>85 IRHD	NFP 98285
Shore D hardness	55	DIN 53505

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MATACRYL MANUAL

Manually applied 100% seamless waterproofing membrane

August 2024

PROPERTIES continued:

Cured State samples conditioned at -20°C for 24hrs before testing		
Tensile strength	8.8 N/mm^2	ISO 527
Elongation	360%	ISO 527
Modulus of elasticity	630 MPa	ISO 527
Abrasion 1000 cycles	64 mg	ISO 7784-2
Dynamic crack-bridging	>5 mm	BPG

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

SUBSTRATE PREPARATION:
The area to be waterproofed must be dry, firm, solid and free of dust, fat and oil. Laitance and loose particles must be removed thoroughly, e.g. by shot blasting. Fats or oils as well as dampness can be removed by flame blasting for example. Before application of Matacryl Manual, a suitable Matacryl Primer must be first applied, including sand-blinding when appropriate. For further details, see our general preparation and application guidelines for Matacryl waterproofing systems.

MIXING:
Prior to use, Matacryl Manual must be carefully stirred to achieve a uniform distribution of agents contained in the product. Matacryl Manual is then thoroughly mixed together with the Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the following guidelines.

It should be noted that the amount of catalyst powder to be added depends upon the substrate temperature.

At 30°C	Add 200 grams of catalyst to a pail of 30 kg
At 20°C	Add 350 grams of catalyst to a pail of 30 kg
At 10°C	Add 700 grams of catalyst to a pail of 30 kg
At 0°C	Add 1200 grams of catalyst to a pail of 30 kg
Below -5°C	Add 1200 grams of catalyst to a pail of 30 kg and additionally add Matacryl Accelerator. Please contact your Equus Representative for further details.

Note: Weight to Volumetric conversion of Catalyst. 1 cc of Matacryl Catalyst weighs 0.64gm. 1gm of Matacryl Catalyst = 1.57 cc

APPLICATION:
Matacryl Manual is designed to be manually applied using a roller or squeegee.

CONSUMPTION:
For product consumption per m²; please consult the System Build-up Sheets.
Per layer of membrane; a minimum thickness of 1mm (=1.23kg/m²) should always be applied per coat.

SHELF LIFE:
Six months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15-20°C.

BUILDING CODE COMPLIANCE:
For Building Code Compliance information see the (EMC) Equus Matacryl Carpark System TDS or (EMP) Equus Matacryl Pedestrian System TDS.

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MATACRYL MANUAL

Manually applied 100% seamless waterproofing membrane

August 2024

HEALTH AND SAFETY:
Protective clothing, gloves and safety goggles must be worn when filling, mixing or handling of Matacryl Manual. When the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapour as well as direct contact with skin or eyes. For further information see our Safety Data Sheet.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
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Manufacturer email	orders@tremco.com.au
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MATACRYL 215 WL

Formally known as Duracon 215

August 2024

PRODUCT:
Matacryl 215 WL is a polyurethane modified resin based on acrylic monomers and polymers.

USAGE:
Matacryl 215 WL is an elastised binder intended for the formulation of flexible membranes and flexible wear resistant coatings exposed to subzero temperatures. It is mainly used for:

- Waterproofing and shock absorbing membranes.
- Flexible floor coverings especially if exposed to low temperatures e.g. coolers and freezers.
- As a wearing layer for outdoor applications exposed to heavy mechanical loadings and rapid temperature variations i.e. ramps, bridges and carparks.

KEY BENEFITS:

- Flexible and crack-bridging at low temperatures
- Wear/impact resistant formulations possible
- Easy to apply
- Fast curing even at low temperatures
- Free from external plasticiser

STANDARD PACKS:
180 kg steel drums, 25 kg metal pails.

SHELF LIFE:
Six months when stored in a cool and dry place and in original sealed packaging. The optimal storage temperature is 15-20°C.

PROPERTIES:

Liquid State		
Viscosity, 25°C	160-200 mPa*s	DIN 53018
Density, 25°C	0.99 g/ml	ISO 2811
Pot life/processing time at 20°C	15-18 min.	
Curing time at 20°C	60-120 min.	
Flash Point	0-35°C	

Cured State		
Tensile strength, 20°C	11.0 MPa	ISO 527
Tensile strength, 0°C	20.6 MPa	ISO 527
Elongation at fracture, 20°C	250%	
Elongation at fracture, 0°C	158%	
Modulus of elasticity, 20°C	82.4 MPa	
Modulus of elasticity, 0°C	407 MPa	

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

SURFACE PREPARATION:
The area to be coated, must be pretreated with a Matacryl primer (e.g. Matacryl 108 H Primer) including sanding. The substrate must be dry, firm, solid and free of dust, fat and oil. All substances that can interfere with good adhesion should be removed.

MIXING:
Prior to use Matacryl 215 WL must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Matacryl 215 WL is thoroughly mixed together with the Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the guidelines below .

At 30°C	Add 1% by weight of resin
At 20°C	Add 2% by weight of resin
At 10°C	Add 4% by weight of resin
At 0°C	Add 5% by weight of resin
Below 0°C	Add 5% by weight of resin and additionally add Matacryl 404, which is an accelerating agent.

It should be noted that the amount of catalyst powder to be added depends upon the temperature.

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MATACRYL 215 WL

Formally known as Duracon 215

August 2024

APPLICATION:
The material consumption and application method will depend upon the Matacryl Waterproofing system in which Matacryl 215 WL resin is being used. See specific Systems Data Sheets for further information.

BUILDING CODE COMPLIANCE:
For Building Code Compliance information see the (EMC) Equus Matacryl Carpark System TDS or (EMP) Equus Matacryl Pedestrian System TDS.

HEALTH AND SAFETY:
Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Matacryl 215 WL.

In case of contact with eyes, rinse immediately for a long period of time and consult a physician. In case of contact with skin, clean immediately with water and soap.

Matacryl 215 WL is highly flammable; keep away from heat and all sources of ignition and do not smoke. The stirrer as well as all the other electric appliances used on the application site must be explosion-proof versions. For further information see our Material Safety Data Sheets.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
Manufacturer website	
Manufacturer email	orders@tremco.com.au
Manufacturer phone number	+61 2 4648 0397

MATACRYL STC

Sealer for Matacryl waterproofing systems

August 2024

PRODUCT:
Matacryl STC is a medium viscous, elastified and UV-protected surface sealer based on acrylic resins. The curing is initiated by addition of Matacryl Catalyst powder.

USAGE:
Matacryl STC is used as a surface sealer for Matacryl waterproofing systems to improve general resistance and maintenance properties.

STANDARD PACKS:
100 kg resp. 25 kg units.

KEY BENEFITS:

- Easy to apply
- Fast curing
- Clear or pigmented
- Semi-flexible
- Weather resistant
- Acid rain resistant

PROPERTIES:

Liquid State		
Colour	Light blue violet	
Viscosity, 25°C	140-180 mPa*s	DIN 53018
Density, 25°C	0.98 g/ml	ISO 2811
Pot life/processing time at 25°C	15 min.	
Curing time at 25°C	approx. 60 min.	
Recoat time at 25°C	approx. 90 min.	
Flash Point	+11.5°C	ISO 1516
Pigmented	Grey and ivory	

Cured State		
Tensile strength	6.8 N/mm^2	ISO 527
Elongation	130%	ISO 527
Modulus of elasticity	38 MPa	ISO 527
Abrasion Taber 500 cycles	51 mg	ISO 7784-2
Shore D hardness	55	DIN 53505

* Please note that an objective comparison with other data is only possible if norms and parameters are identical.

MIXING:
Prior to use, Matacryl STC must be stirred to achieve a uniform distribution of paraffin and eventual pigments added to the sealer. To initiate curing the Matacryl Catalyst shall be added to suitable volumes of product and carefully mixed. The volume of catalysed batch depends on the actual area size and application conditions whilst the amount of catalyst depends on the ambient temperature.

Catalyst table for batch of 10 litres Matacryl STC:

At 30°C:	Add 80 grams or 120 ml catalyst
At 20°C:	Add 100 grams or 150 ml catalyst
At 10°C:	Add 200 grams or 300 ml catalyst
At 0°C:	Add 300 grams or 450 ml catalyst
At -10°C:	Add 500 grams or 750 ml catalyst

For eventual addition of filler or pigment on site please contact your local Equus Representative for further details.

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MATACRYL STC

Sealer for Matacryl waterproofing systems

August 2024

APPLICATION:
Immediately after the catalyst has been added and mixed, the dealer is spread onto the Matacryl base coat using a rubber squeegee and paint roller. For good results it is important always to work with freshly catalyzed material i.e. small batch sizes, not the full 25 kg. Layer thickness must be kept within 0.3-0.8 l/m^2 per coat. Consumption of Matacryl STC depends on the system and varies from 0.3-1.0 kg or litre per m^2.

SHELF LIFE:
Six months when stored in a cool and dry place and in originally closed packaging and protected from direct sunlight. The optimal storage temperature is between 10-20°C.

BUILDING CODE COMPLIANCE:
For Building Code Compliance information see the (EMC) Equus Matacryl Carpark System TDS or (EMP) Equus Matacryl Pedestrian System TDS.

HEALTH AND SAFETY:
Protective clothing, gloves and safety goggles shall be worn when filling, mixing or handling Matacryl STC. If the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapour as well as direct contact with skin or eyes.
Matacryl STC is highly flammable; keep away from open fire and other sources of ignition like welding and do not smoke when handling. For further information see the Safety Data Sheet.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
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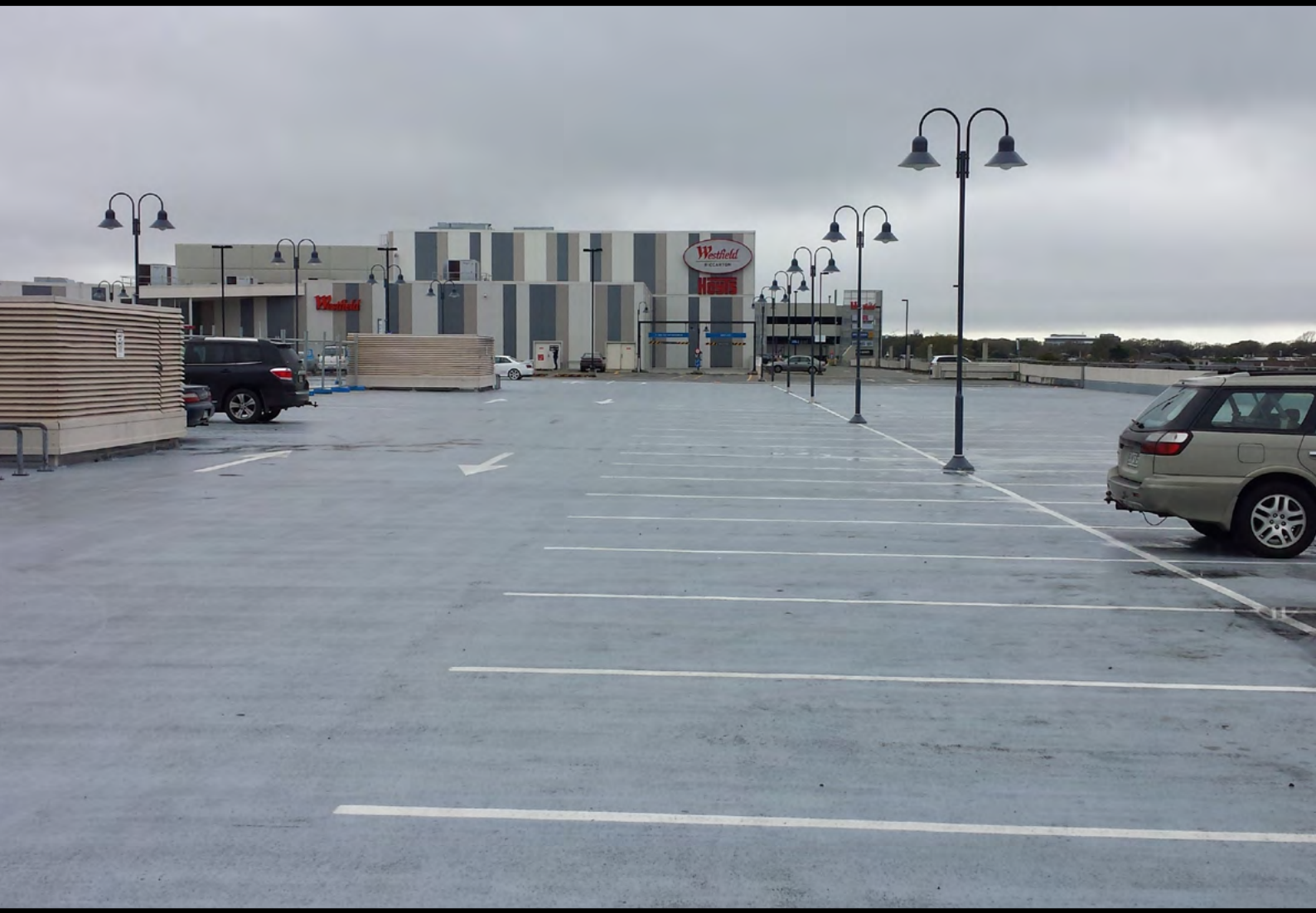
WHO ARE WE?

Equus Industries provides technical waterproofing solutions for Architects, Engineers, Property Managers, and Contractors in the building industry. One system does not fit all.

Equus can provide complete solutions, systems, specifications, technical support and warranties.



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