



EQUUS MONOPUR SL FLOORING SYSTEM

Standard Building Consent Package



OCTOBER 2024

CONTENTS

Brochure	3
Specification	
P4421 Monopur SL Flooring System to concrete	5
Quality Assurance	
P4421 Monopur SL Flooring System to concrete	9
System Technical Data Sheets	12
Data Technical Data Sheets	15
Standard Details	29

EQUUS MONOPUR SL FLOORING SYSTEM

Slip resistant, antimicrobial polyurethane resin floor system



Monopur SL Flooring – an antimicrobial polyurethane resin floor system designed to ensure in both safety and durability. This flooring solution offers a combination of anti-slip properties and chemical resistance, making it one of the top choices for wet processing areas and food preparation zones, where hygiene, employee safety and longevity are essential. Engineered with a durable cementitious polyurethane resin, **Monopur SL** ensures a long-lasting, textured gloss or satin finish that stands up to the toughest conditions. Its temperature-resistant composition makes it versatile and suitable for a variety of environments.

The **Monopur SL** Flooring System has three thickness options – 4mm, 6mm, and 9mm – catering to diverse a range of end use requirements. The 9mm option, specifically designed for heavy-duty applications, guarantees exceptional strength and durability.

With low VOCs and minimal odour, **Monopur SL** provides a safe, environmentally friendly solution for both installers and end users.

Key Benefits:

- Low VOC
- Antimicrobial
- Chemical Resistant
- Slip Resistant
- Temperature Resistant
- Freeze & Thaw resistant
- Easy to clean and maintain
- HACCP Certified

Thickness Options

- 4mm – temperature resistant up to 65°C and freeze/thaw resistant
- 6mm – temperature resistant up to 90°C and freeze/thaw resistant
- 9mm – temperature and freeze/thaw resistant from -40°C to 120°C. Typically used for heavy duty areas.

Colours:

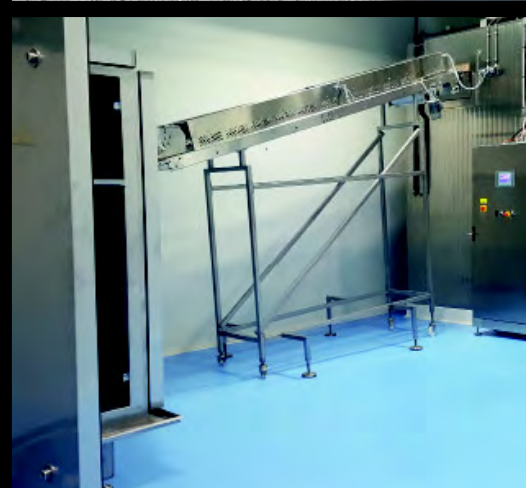
Mid Grey, Buff Yellow, Red.
Other colours available by special request.

Technical support provided by our team:

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

EQUUS MONOPUR SL FLOORING SYSTEM

Slip resistant, antimicrobial polyurethane resin floor system



Equus Southern

Unit 6/100 Fitzgerald Ave
Christchurch

Ph: 03 353 2434

southern@equus.nz

Equus Central

45 Hutt Rd, Petone
Wellington

Ph: 04 576 0333

central@equus.nz

Equus Northern

211 Archers Rd, Wairau Valley,
Glenfield, Auckland

Ph: 09 415 4314

northern@equus.nz

Find us on:

masterspec

ARCHIPRO

archify



CELEBRATING
40 YEARS
1982–2022

Specification

WATERTIGHT TECHNOLOGY
COATINGS & SILICATE SYSTEMS
FLOORING TECHNOLOGY

Standard Specification for the application of Monopur SL Flooring system to concrete surfaces

Project:
Prepared for:
Specification: P4421
Date: August 2024
Page 1 of 5

1.0 PREAMBLE:

This specification is for the application of the hard wearing **Monopur SL Flooring System** to waterproof concrete floors such as wet processing areas, and food preparation zones. Designed for safety and durability the floor offers a combination of anti-slip profile for foot traffic, and chemical & temperature resistance for longevity. The specification also deals with preparation of the surfaces before the application of the flooring system.

Monopur SL Flooring System is an antimicrobial, cementitious polyurethane resin floor. Available in three thickness options – 4mm, 6mm and 9mm.

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 Concrete Preparation:

The substrate must be dry, firm, solid and free of residues of laitance, dust, grease, oil and other contaminants before coating. 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 concrete compromising the adhesion of the **Monopur SL** flooring 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/mm² 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 diamond grinding or captive shot blasting. The surface must be cleaned with an industrial vacuum cleaner after treatment. The final prepared surface profile shall be CSP2, 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 floors, good water curing under polythene is recommended. Liquid or spray applied concrete curing compounds shall not be used.



Page 2 of 4
P4421

Specification

WATERTIGHT TECHNOLOGY
COATINGS & SILICATE SYSTEMS
FLOORING TECHNOLOGY

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.

Note: Contact Equus Industries Ltd for a further preparation methodology if required prior to any coating work.

3.0 SURFACE PRETREATMENT:

3.1 Cracks and Concrete Imperfections:

Any concrete cracks and surface areas damaged during cleaning along with any voids, surface imperfections and areas of missing screed are to be chased, prepared, primed with **Matacryl 108 H Primer** and patched using **Duracon Ready Rep** Repair Mortar to provide a continuous plane. Prior to the **Monopur SL** flooring application

A filler can also be created using the **Monopur SL** resin with a higher ratio of premix (unit C).

4.0 MONOPUR SL FLOORING SYSTEM APPLICATION:

All components of the system (primer, bodycoat, topcoat) shall be mixed as per the Manufacturer's instructions before use. See Monopur SL Application Instructions.

4.1 Primer: Concrete (please contact your Equus representative for the correct primer application or requirement)

Option 1:

All surfaces to be primed shall receive one (1) coat of **Chevaline Epistixx** primer, mixed and diluted for easy application by brush, roller or soft broom at a spreading rate of 8-10 sqm/litre. Allow to dry overnight.

Option 2:

Apply one (1) coat of **Monopur SL**, combined with thinners to form a primer, by a roller at a spreading rate of 0.350 – 0.500 kg/m². The primer coat must achieve a continuous dry film on the surface. The primer coat is to be broadcast with 0.4 - 0.8mm aggregate at a rate of 0.150 kg/m² while wet. Allow to cure 8 hours.

4.2 Expansion Joints:

All expansion and crack propagation joints formed in the floor base must be carried through the **Monopur SL** flooring system and it is advisable when forming expansion joints around columns and equipment set in the floor, to include radial corners to avoid stress-creating angles. A minimum 5 cm radius is advised.

Where required, all expansion joints shall be prepared and primed with **Matacryl 108 H Primer** and must be filled with an oversized backing rod correctly placed and sealed with **Matacryl LM** (always respecting the 2:1 width-to-depth ratio).

Alternative Option:

The range of **Dymonic Sealants** can also be used for filling expansion joints.

4.3 Anchor Grooves:

Anchor grooves are needed wherever there is a free edge of **Monopur SL** flooring system. This helps to distribute mechanical and thermal stresses around the perimeter, along channels or expansion joints, at doorways and around machinery plinths and columns, arising from

The information contained in this Specification is based on our experience and testing and represents the latest information available at the date of production. No responsibility is taken for uses to which this information may be put, but we advise that where application of products and processes is in complete conformity with this Specification an appropriate warranty may be available. We reserve the right to alter or update information parameters and formulations at any time without prior notice. E: info@equus.nz



Specification

possible shrinkage and temperature changes within the building. This is also applicable as a result of shrinkage of the material during the curing of the system.

Where required a chase shall be formed in the concrete to a depth and width twice the thickness of the system, using a diamond cutting wheel (10mmx 10mm for 4mm thick system).

4.4 Sumps and Drainage details:

The junction between the **Monopur SL** flooring system and the sump/drainage element, shall be chased, primed with **Matacryl 107 CM Primer** and sealed with **Matacry LM** after the **Monopur SL** flooring system has cured. All sumps and drainage details shall be done as per the specific detail drawings.

4.5 Coving:

Coves can be formed with the **Monopur SL** coving material. However, large radius coves are best formed with fine concrete on the new floor before application of the coving mortar

All angles and transitions will be coated with a coving system made up of the **Monopur SL** resin and an appropriate filler/s. Coverage for 10 kg unit is approximately 2.4 lineal metres per unit at a radius of 20 mm and 100 mm height or approximately 1 m² at a thickness of 5 mm per unit.

Note: Approved Equus epoxy cover mix can also be used in selected areas. Please contact your Equus representative for the correct cover mix for your application.

4.6 Wear Layer: Monopur SL

Immediately after mixing, apply the **Monopur SL** by pin rake to the required thickness and finish with a steel trowel. Immediately after application spike roll the surface to assist with levelling the material and to release any entrapped air. Within 10 minutes (at 20°C) fully broadcast the surface to refusal (3-4kg/m²) with the non-slip aggregate.

Spreading Rates:

For 4mm application = 5.4kg/m²

For 6mm application = 7.2kg/m²

For 9mm application = 13.3kg/m²

Note: Late spike rolling of the material can result in surface defects.

Note: Prior to application of **Monopur Topcoat Sealer** coating sweep and vacuum excess and loose aggregates.

4.7 Topcoat: Monopur Topcoat Sealer

Immediately after mixing, apply the **Monopur Topcoat Sealer** (for best results add 6% of thinners to topcoat) by squeegee and/or roller at a spreading rate of 0.75kg/m². Allow to cure for a minimum of 8 hours at 20°C.

Note: **Monopur Topcoat Sealer** must be applied within 24 hours (at 20°C) of the **Monopur SL** Wear Layer.

4.8 Procedures:

Ensure that at all times all work is carried out in accordance with procedures published by **Equus Industries Ltd** for the **Monopur SL Flooring 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



Specification

WATERTIGHT TECHNOLOGY
COATINGS & SILICATE SYSTEMS
FLOORING TECHNOLOGY

Page 4 of 4
P4421

Equus Industries Ltd. Third party QA documentation is acceptable provided it is equivalent to the Equus issued QA.

5.0 PENETRATIONS:

If any penetrations are made through the finished **Monopur SL** flooring system, all holes for fixings or anchors shall be filled with a **Dymonic** (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.

6.0 MAINTENANCE AND WARRANTY:

6.1 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 issued by Equus Industries Ltd.

It is important to note that at all times the surface should be inspected, cleaned and maintained strictly in accordance with the provisions of the Maintenance Statement included as part of the warranty given for the project.

To maintain the life and integrity of the **Monopur SL** flooring system, it is recommended that an inspection be carried out approximately (1) one year into the life of the floor to determine its condition and allow for recommendations to be made regarding any re-coat work required, so as to maintain the integrity of the system beyond its warranted life. Reinstatement of the topcoat(s) may also be required within the timeframe of the warranty but is dependent on the surface traffic and operating conditions of the facility.

6.2 Warranty:

The **Monopur SL** flooring system may be warranted for a period of up to five (5) years from the date the application is completed.

Such warranty is issued by the Approved 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 An annual inspection of the **Monopur SL** is carried out and any damaged areas are 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.

--oo0oo--



Monopur SL Flooring System

Application of Monopur SL system to concrete floors

Specification No: P4421

Date Prepared: June 2024

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 Building 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 **Monopur SL Flooring 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.				
3.	Surface imperfections shall be patched using Ready Rep Mortar or a Monopur SL filler.				
4.	<i>Primer Option 1:</i> Apply Chevaline Epistixx Primer , by brush, roller or soft broom at a spreading rate of 8-10sqm/litre.				
5.	<i>Primer Option 2:</i> Apply Monopur SL combined with thinners by roller at a spreading rate of 0.350-0.500 kg/m ² . Broadcast the primer with 0.4-0.8mm aggregate at a rate of 0.150 kg/m ² while wet.				
6.	Expansion joints shall be prepared and primed with Matacryn 108 H Primer , an oversized backing rod, and sealed with Matacryn LM . <i>Dymonic sealant can also be used for expansion joints.</i>				
7.	Where anchor grooves are required, a chase shall be formed in the concrete to a depth and width twice the thickness of the system, using a diamond cutting wheel. (10mmx10mm for a 4mm thick system)				
8.	Junctions between the Monopur SL flooring and the sum/drainage element shall be chased, primed with Matacryn 107 CM Primer and sealed with Matacryn LM after the flooring system has cured.				
9.	Coves can be formed with the Monopur SL coving material. However, large radius coves are best formed with fine concrete on the new floor before application of the coving mortar All angles and transitions shall be coated with a coving system made of Monopur SL resin and appropriate filler/s. Coverage for 10 kg unit is approximately 2.4 lineal metres per unit at a radius of 20 mm and 100 mm height or approximately 1 m ² at a thickness of 5 mm per unit. <i>Equus Epoxy cover mix can also be used in selected areas.</i>				

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



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.	Apply Monopur SL by pin rake to the required thickness and finish with steel trowel. Immediately after application, spike roll the surface to assist with levelling the material and to release any entrapped air. Within 10 minutes (at 20°C) fully broadcast the surface to refusal (3-4kg/m ²) with the non-slip aggregate. <i>See specification for spreading rates.</i>				
11.	Apply the Monopur Topcoat Sealer (for best results add 6% of thinners to topcoat) by squeegee and/or roller at a spreading rate of 0.75kg/m ² . Allow to cure for a minimum of 8 hours at 20°C.				
12.	If any penetrations are made through the finished Monopur SL flooring system, all holes for fixings or anchors shall be filled with a Dymonic (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.				

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

MONOPUR SL FLOORING SYSTEM

Durable, slip resistant, low VOC interior floor coating

August 2024

PURPOSE AND AREAS OF USE:

The Equus Monopur SL Flooring System is an antimicrobial polyurethane resin floor system designed to ensure in both safety and durability. The system offers a combination of anti-slip properties and chemical resistance, making it one of the top choices for wet processing areas and food preparation zones, where hygiene, employee safety and longevity are essential. Monopur SL is suitable for medium to heavy industrial floors where chemical and/or heat resistance is required.

The Monopur SL Flooring System has three thickness options - 4mm, 6mm, and 9mm - the 9mm option, specifically designed for heavy-duty applications, guaranteeing exceptional strength and durability.

PRODUCTS:

The system encompasses the products below. Refer to standard Equus Monopur SL Flooring specifications for full details.

Chevaline Epistixx	Two-component water based epoxy primer
Monopur SL	Three-component polyurethane resin base coat
Monopur Pigment	Single-component coloured resin paste
Monopur Topcoat Sealer	Three-component polyurethane topcoat with a gloss finish
Monopur Topcoat Satin	Three-component polyurethane cement topcoat with a satin finish

COLOUR:

Monopur SL Flooring is available in a mid grey, a buff yellow, or a red. Other colours are available by special request.

SCOPE OF USE:

Monopur SL can be used over new or existing concrete or cementitious flooring in a variety of interior applications. The multiple thickness and aggregate options allow a suitable system to be chosen for light-heavy duty requirements such as food processing plants, or where high chemical and heat resistance is required.

- 4mm thick system – temperature resistant up to 65°C and freeze/ thaw resistant
- 6mm thick system – temperature resistant up to 90°C and freeze/ thaw resistant
- 9mm thick system – temperature and freeze/thaw resistant from -40°C to 120°C

Monopur SL can be used in areas where the following is required:

- Slip resistance in dry and wet conditions
- Chemical resistance
- Temperature resistance (-40°C to 120°C)
- Antimicrobial
- Low VOCs during application

CONDITIONS OF USE:

The recommended material substrate temperature is 15-35°C, but no less than 10°C, with a concrete moisture content less than 95%. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24 hours after application. Ensure appropriate drying times between coats as per the Technical Data Sheets.

Where the operating temperature of the floor exceeds those outlined in the scope of use above, contact Equus Industries Ltd for an appropriate system.

Monopur SL Flooring must be installed by an Equus Certified Applicator and installed in accordance with the correct specifications and substrates mentioned in this TDS, or in other Equus approved technical documentation.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR SL FLOORING SYSTEM

Durable, slip resistant, low VOC interior floor coating

August 2024

TECHNICAL DATA:

Fire resistance - AS/ISO 92391	CHF value	10 kW/m ²
Fire resistance - AS/ISO 92391	Smoke value	69% (Mean)
Slip resistance	Method described in AS4586-2013	P5 (Based on 0.6-1 mm Aggregate)
Impact resistance	EN ISO 6272	15 Nm
Temperature resistance	4 mm 6 mm 9 mm	From 0°C to 65°C From -5°C to 90°C Intermittent Spillages From -40°C to 120°C
Water permeability	Karsten Test	Nil (impermeable)
Abrasion resistance	Taber Abrader	0.1 g loss per 1000 cycles (1kg using CS17 wheels)
Compressive strength	EN 13892-2	> 50 N/mm ²
Flexural strength	EN 13892-2	> 20 N/mm ²
Tensile strength	BS6319	7 N/mm ²
Bond strength	ASTM D4541 (Pull-Off-Test)	> 1.5 MPa
VOC content	ASTM D2369-10:2015	< 140 g/L

Speed of cure*	10°C	20°C	30°C
Foot traffic	36 hours	24 hours	12 hours
Vehicular traffic	72 hours	48 hours	24 hours
Full chemical cure	10 days	7 days	6 days

*These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet/dry). Please contact our Technical Advisers for further details.

BUILDING CODE COMPLIANCE:

B2 Durability - B2.3.1(c) In-service history shows Monopur SL has a durability of at least 5 years when installed with the correct specification, installation and maintenance.

C3 Fire affecting areas beyond the fire source - C3.4(b) Monopur SL test data together with in-service history of the correctly installed system show that the product limits the probability of fire spreading throughout the building. Contact Equus Industries for more information.

D1 Access routes - D1.3.3(d) Monopur SL complies with D1/AS1 on level surfaces, and on sloping surfaces and stairs.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that Monopur SL complies with this performance requirement. Refer to SDS at www.equus.nz

G3 Food preparation and prevention of contamination - G3.3.2(a), G3.3.2(b) Monopur SL Flooring System complies with G3/AS1 in food processing and preparation areas.

SUPPORTING DOCUMENTATION:

Contact Equus Industries Ltd. for information.

Title (type)	Version	URL
Technical Datasheets for products listed on page 1 of this document.		Technical Datasheets can be found on www.equus.nz

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR SL FLOORING SYSTEM

Durable, slip resistant, low VOC interior floor coating

August 2024

WARNINGS AND BANS:

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

MANUFACTURER 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

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR SL

Polyurethane resin-based floor finish

April 2024

PRODUCT:

- Monopur SL is a pigmented, self-smoothing, chemical resistant, polyurethane resin-based floor finish
- Monopur SL provides high resistance against substrate moisture
- Application by steel trowel or pin rake

USES:

Used as the base layer for the Monopur SL System or as a stand-alone floor finish. This will provide a hard-wearing, smooth or slip resistant, antimicrobial, chemically resistant coloured floor finish.

PACKAGING:

The product is supplied in full units as A+B+C+D packs.

Component	Single Pack	Six Pack
Base A	2.882 kg	17.29 kg
Hardener B	3 kg	18 kg
Filler C	11.938 kg	71.63 kg (6 bags)
Pigment	0.2 kg	1.2 kg (Packaging dependant on colour)
Kit size	18 kg 10 L	108 kg 60 L

Standard Coverage Rates

3 mm thickness	5.4 kg/m ²	0.33 m ² /L
4 mm thickness	7.2 kg/m ²	0.25 m ² /L
7 mm thickness*	13.3 kg/m ²	0.14 m ² /L

* When applied at 7 mm, add 4-6 kg of 1mm sand to the Monopur SL during mixing.

Curing Times (at 20°C)

Min overcoating	6-8 hours
Max overcoating	24 hours
Foot traffic	24 hours
Vehicular traffic	48 hours
Full chemical cure	7 days

* Full chemical resistance is achieved after 5-7 days.

** Do not cover or wash within the first 36 hours of curing.

TECHNICAL DATA:

Properties:

VOC content	32 g/L Complies with: Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V 1.2-12.1.1B
Density	Approx. 1.8 kg/l (combined)
Finish	Smooth Matte Finish
Colour	Refer to Monopur Pigment TDS

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR SL

Polyurethane resin-based floor finish

April 2024

SUBSTRATE REQUIREMENTS:

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry to 95% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place.

SURFACE PREPARATION:

Surface preparation is to be completed by totally enclosed light shot blasting (please note this may leave track and blast lines which will not be covered) or diamond grinding to a minimum CSP4 prior to any coating application. For proper methods, refer to ICRI's Technical Guideline No. 03732. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment. Any damaged areas must be repaired with an approved mortar. Consult Equus Industries Ltd. for information on an approved mortar. Any rough or uneven areas must be made smooth with an approved Equus coating.

COVING:

Please contact Equus Industries Ltd. for an approved coving mortar.

MIXING:

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however if supplied in bulk packaging this must be completed using digital scales.

1. A Mixing Monopur SL (Bulk Packaging)

Stir Base A to re-disperse any settlement. Add Pigment (1.2 kg) and mix until uniform. Transfer to a Portamix Mega Hippo mixing container. Add Hardener B (18 kg) to the mixing container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C (6 x 11.938 kg) to mixing container and mix until uniform.

If smaller mixes are required, decant Part A and Hardener B using digital scales to the required weight.

1. B Mixing Monopur SL (Prepacked)

Stir Base A (2.882 kg) to re-disperse any settlement. Transfer to a clean container. Add Pigment (0.2 kg) and mix until uniform. Add Hardener B (3 kg) to the mixing container and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C (11.938 kg) to mixing container and mix until uniform.

SOLVENT:

Solvent should not be added to Monopur SL.

APPLICATION TEMPERATURE:

The recommended material substrate temperature is 15-35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24 hours after application.

APPLICATION / POT LIFE:

Ready-mixed product should be used within 20 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

APPLICATION METHOD:

Please refer to the Monopur SL System Data Sheet.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR SL

Polyurethane resin-based floor finish

April 2024

ADDITIONAL NOTES:

1. Please refer to the appropriate product Technical Data Sheet. The Technical Data Sheet, System Data Sheet and Safety Data Sheet must be read in conjunction with one another.
2. Maximum overcoat time is 24 hours at 20°C.
3. The product has reached full chemical cure after 7 days at 20°C.
4. The applied colours may differ from the examples shown.
5. Light and vibrant colours may require additional coats to achieve desired results.
6. Equus Industries Ltd. assumes no responsibility for the application of incorrect colour.
7. It is the applicators responsibility to verify the accuracy of colour prior to application. Equus Industries Ltd. does not bear any responsibility or accept claims for incorrect colour after application of material.
8. It is recommended that top coat colours match base coat colours to achieve desired results.
9. The system is not UV stable and will discolour unless otherwise stated.
10. The system should have no contact with water for 5 days at 20°C.
11. This system should be installed at 3°C above the dew point.
12. A low temperature/high humidity environment can cause blooming issues.
13. Please ensure application temperature and RH limits are followed.
14. Wind or strong airflow may cause quick curing and drying of the system.
15. Ensure wind or strong airflow is eliminated during application, however adequate ventilation should still be followed.
16. Direct heat during application of the system can cause flash curing and potential delamination.
17. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
18. The specific slip test rating (P0-P5 range) noted in this document is based on the system design, products listed, coverage rates and specific aggregate outlined in this document. This slip test rating can and will change if the standard specification details or installation methods are altered in any way. The specific slip rating (P0-P5 range) noted in this document is based on 96 Rubber slide testing on level non-inclined surfaces. Applications should refer to methods outlined in AS4586-2013 and SA HB 198:2014.

STORAGE:

Time	12 months in unopened packs. If longer than 12 months, contact Equus Industries Ltd.
Temperature	Storage temperature between 5°C and 35°C
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

HEALTH AND SAFETY:

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the Safety Datasheets (SDS) for the individual components.

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

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR PIGMENT

Coloured resin paste

April 2024

PRODUCT:

- Monopur Pigment is a one-component coloured resin paste
- Available in a wide range of attractive colours
- Versatile packaging options for ease of use on site
- High colour density, high strength pigments provide excellent opacity

USES:

Used as pigment to colour the Monopur SL System range of products.

PACKAGING:

The product is supplied in full units as Pigment packs.

Component	
Pigment	0.2 kg
Pigment	1.2 kg
Pigment	10 kg
Pigment	20 kg

TECHNICAL DATA:

Standard Addition Rates	
Monopur SL (18 kg pack)	0.2 kg per 17.82 kg pack
Monopur SL (107 kg pack)	1.2 kg per 106.92 kg pack
Monopur Topcoat Satin	0.2 kg per 4.91 kg pack

COLOUR:

Please refer to the Monopur SL System TDS. Please ensure one batch is used to ensure colour consistency.

MIXING:

The product is supplied in full units as a single component. Pack components are pre-weighed for optimum performance.

Gently pre-mix the pigment. Open packaging and pour pigment into mixing vessel as directed by the appropriate Monopur Technical Data Sheet (TDS). Ensure all contents of packaging have been removed.

Please refer to the appropriate Monopur Technical Data Sheet (TDS) as per required specification.

SOLVENT:

Solvent (Xylene / MEK / Acetone) should not be added to this product.

APPLICATION METHOD:

Please refer to the appropriate Monopur Technical Data Sheet (TDS) as per required specification.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR PIGMENT

Coloured resin paste

April 2024

ADDITIONAL NOTES:

1. Please refer to the appropriate product Technical Data Sheet. The Technical Data Sheet, System Data Sheet and Safety Data Sheet must be read in conjunction with one another.
2. Maximum overcoat time is 24 hours at 20°C
3. The product has reached full chemical cure after 7 days at 20°C.
4. The applied colours may differ from the examples shown.
5. Light and vibrant colours may require additional coats to achieve desired results.
6. Equus Industries Ltd. assumes no responsibility for the application of incorrect colour.
7. It is the applicators responsibility to verify the accuracy of colour prior to application. Equus Industries Ltd. does not bear any responsibility or accept claims for incorrect colour after application of material.
8. It is recommended that top coat colours match base coat colours to achieve desired results.
9. The system is not UV stable and will discolour unless otherwise stated.
10. The system should have no contact with water for 5 days at 20°C or blooming may occur.
11. This system should be installed at 3°C above the dew point.
12. A low temperature/high humidity environment can cause blooming issues.
13. Please ensure application temperature and RH limits are followed.
14. Wind or strong airflow may cause quick curing and drying of the system.
15. Ensure wind or strong airflow is eliminated during application, however adequate ventilation should still be followed.
16. Direct heat during application of the system can cause flash curing and potential delamination.
17. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
18. The specific slip test rating (P0-P5 range) noted in this document is based on the system design, products listed, coverage rates and specific aggregate outlined in this document. This slip test rating can and will change if the standard specification details or installation methods are altered in any way. The specific slip rating (P0-P5 range) noted in this document is based on 96 Rubber slide testing on level non-inclined surfaces. Applications should refer to methods outlined in AS4586-2013 and SA HB 198:2014.

STORAGE:

Time	12 months in unopened packs. If longer than 12 months, contact Equus Industries Ltd.
Temperature	Storage temperature between 5°C and 35°C
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

HEALTH AND SAFETY:

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the Safety Datasheets (SDS) for the individual components.

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

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

CHEVALINE EPISTIXX

Multi-use waterborne epoxy primer/bodycoat

February 2024

PURPOSE AND AREAS OF USE:

A multi-use waterborne epoxy primer/bodycoat for use on most building surfaces. Generally used as an adhesion-promoting primer for Traxx flooring, or in situations where solvent release during application is not desirable. Where high-gloss and trueness of pastel colours is not important, may be used as a finish coat.

PRODUCT:

A pigmented two-component waterborne epoxy coating based on a modified epoxy resin and polyaminoamide curing agent combination.

PROCESS COMPATIBILITY:

Exhibits excellent adhesion to most common building materials, particularly those that are mineral-based. May be overcoated with Traxx Primers, Traxx Colourseal, Traxx Smooth/NS, Traxx SL, Chevaline Dexx, Chevaline Colourcure, Chevaline Colourcure2, Chevaline Coverall, Chevaline Coverflexx, Equus/Tremco urethane membranes.

COLOUR:

Standard colour is off-white. Mid and deep tone colours can be supplied as close matches on demand, subject to minimum order quantities. Pastel colours, when required are a near-match only.

STANDARD PACK:

1, 3.5, 9 litre units. Units A & B are both packed in plastic pails.

PHYSICAL PROPERTIES:

Liquid Material	Mixed	Unit A	Unit B
Solids (% by volume)	45%	99%	21%
Specific Gravity	1.21	1.67	1.01
Flash Point (°C)	-	> 100	-
Shelf Life	-	3 years	2 years
Appearance		Pigmented	Clear Brown

Applied Coating	
Wear resistance (ASTM D1043-73)	<55mg/1000 cycles
Chemical resistance:	
Fresh water	Excellent
Brine and salt	Excellent
Fuels and greases	Excellent
Petrol and hydrocarbon solvents	Excellent
Caustic soda 10%	Very good
Inorganic acids	Fair to good
Suitable for potable water applications	Consult Manufacturer for specific advice where necessary.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

CHEVALINE EPISTIXX

Multi-use waterborne epoxy primer/bodycoat

February 2024

SCOPE OF USE:

Chevaline Epistixx is generally used as a primer coat in a range of Equus flooring and waterproofing systems; Generally, the Chevaline Epistixx Rapid Floor Coating System, Traxx Floor Coating System and Chevaline Dexx Waterproofing membrane. It can be used over a variety of substrates including new or existing concrete and plywood. When installed as a primer with the correct system specification it is suitable for light-heavy duty interior floor finishes, hygiene and clean rooms, food processing, and the waterproofing of roofs and decks.

CONDITIONS OF USE:

Chevaline Epistixx must be used in accordance with the correct specifications and substrates mentioned in this TDS, or in other Equus approved technical documentation. Chevaline Epistixx must be used as a part of an approved Equus system unless otherwise specified by Equus Industries.

Not suitable for exterior conditions or in areas of with UV exposure except where specifically approved by Equus Industries.

SURFACE PREPARATION:

Concrete plaster: Must be free of all contamination, clean and dry to touch. Surface imperfections should be filled with epoxy mortar.

Steel: Should be clean and primed with Protexx Zincure.

Old painted surfaces: Should be sanded clean and with all unsound material removed. Check compatibility with a test patch.

Stone, slate and tiles: Must be free of all contamination. Glazed tiles should be sanded to 'open' the surface.

APPLICATION METHOD:

Units A and B for a batch must be thoroughly mixed by adding Unit A to Unit B and drill mixing for 4-5 minutes until completely homogeneous. The mixed material should then be diluted with clean water, the quantity used depending on end use.

Primer:	1.3-2.5 litres water per 3.5 litre unit
Bodycoat:	0.5-1.5 litres water per 3.5 litre unit

APPLICATION PROPERTIES:

Spreading rate:

As a primer	8-12 sqm/litre depending on surface density.
As bodycoat	5-7 sqm/litre
As topcoat	7-10 sqm/litre
All rates are per litre as supplied. Normal d.f.t. for a 3 coat system is 160-180µm	

Pot Life:

As primer (maximum dilution)	4-6 hours
As bodycoat (minimum dilution)	1.5-2 hours

Dry time(15°C, 60%RH):

As primer (maximum dilution)	4-6 hours
As bodycoat (minimum dilution)	1.5-2 hours
Cure time	7-10 days for full three-coat system. Note that low temperatures and/or high humidities will considerably retard dry and cure times. Do not apply in temperatures below 5°C or relative humidity greater than 85%.

THINNING / CLEANING UP:

Thin with clean tap water. Clean up gear by rinsing with water, then wiping with Xylol.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

CHEVALINE EPISTIXX

Multi-use waterborne epoxy primer/bodycoat

February 2024

SPECIFICATION NOTES:

Although Chevaline Epistixx is waterborne, allow adequate ventilation, not so much for safety reasons as to ensure adequate inter-coat/final drying occurs.

When used as a decorative finish externally or in areas of high UV intensity, it is recommended that Colourcure be used as the final topcoat to inhibit chalking and colour change.

BUILDING CODE COMPLIANCE:

For information on compliance with the New Zealand Building Code refer to the relevant Equus system TDS.

HEALTH AND SAFETY:

Wear barrier cream when handling Epistixx to prevent epoxy sensitisation and possible dermatitic effects. Always store above 0°C to prevent possible deterioration in the unmixed components. Do not smoke while handling the materials.

TRANSPORT AND STORAGE:

Unit A	No restriction
Unit B	No restriction

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	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

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR TOPCOAT SEALER

Polyurethane coating with gloss finish

June 2024

PRODUCT:

Monopur Topcoat Sealer is a 100% solids, gloss, antimicrobial, solvent-free polyurethane coloured coating for Monopur flooring systems.

- Antimicrobial - Polygiene® additive based on silver-ion technology
- Provides a gloss finish which delivers superior cleanability
- Application by roller or squeegee
- Unique gloss finish improves facility aesthetics by brightening and transforming spaces

USES:

Can be used as a seal coat for Monopur flooring systems or as a stand-alone product. This will provide a hard-wearing, slip resistant, chemical resistant, antimicrobial coloured gloss finish.

PACKAGING:

The product is supplied in full units as A+B+Pigment packs.

Base A	8.5 kg	
Hardener B	3 kg	
Pigment	1.2 kg	
Kit size	12.7 kg	9.4 L

TECHNICAL DATA:

Standard Coverage Rates		
First coat*	0.55 kg/m ² - 0.75 kg/m ²	1.8 m ² /L

*Coverage rate based on Monopur Topcoat Sealer applied over aggregate size of approx. 0.6-1 mm. Coverage rate will vary dependant on type of aggregate used.

Curing Times (at 20°C)	
Min overcoating	6-8 hours
Max overcoating	24 hours
Foot traffic	24 hours
Vehicular traffic	48 hours
Full chemical cure	7 days

* Full chemical resistance is achieved after 5-7 days.
** Do not cover or wash within the first 36 hours of curing.

Properties:	
VOC content	<1.0 g/L
Density	Approx. 1.35 kg/l (combined)
Solids content	Approx. 100% (by weight)
Finish	Non-Slip Gloss Finish
Colour	Refer to Monopur Pigment TDS

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR TOPCOAT SEALER

Polyurethane coating with gloss finish

June 2024

SUBSTRATE REQUIREMENTS:

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

COVING:

Please contact Equus Industries Ltd. for an approved coving mortar.

MIXING:

The product is supplied in full units as A+B+Pigment packs. Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs.

- Stir Base A to re-disperse any settlement
- Add Pigment to Base A and mix until uniform
- Add Hardener B to the Base A and drain thoroughly
- Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air
- Add between 2-7% Xylene (if required depending on conditions) and mix for a further 30 seconds

SOLVENT:

Solvent (Xylene / MEK / Acetone) may be added to aid application properties if required.

Add between 2% and 7% solvent (depending on temperature and material viscosity) of Xylene, MEK or Acetone to assist with the application properties.

APPLICATION TEMPERATURE:

The recommended material substrate temperature is 15-35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24 hours after application.

APPLICATION / POT LIFE:

Ready-mixed product should be used within 15 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

APPLICATION METHOD:

Immediately after mixing, apply the Monopur Topcoat Sealer by squeegee and/or roller. Allow to cure for a minimum of 8 hours at 20°C.

ADDITIONAL NOTES:

1. Maximum overcoat time is 24 hours at 20°C if primer is required.
2. The product has reached full chemical cure after 7 days at 20°C.
3. The applied colours may differ from the examples shown.
4. Equus Industries Ltd. assumes no responsibility for the application of incorrect colour.
5. It is the applicators responsibility to verify the accuracy of colour prior to application. Equus Industries Ltd. does not bear any responsibility or accept claims for incorrect colour after application of material.
6. The system is not UV stable and will discolour unless otherwise stated.
7. Do not cover or wash within the first 36 hours of curing at 20°C.
8. This system should be installed at 3°C above the dew point.
9. Please ensure application temperature and RH limits are followed.
10. Wind or strong airflow may cause quick curing and drying of the system.
11. Ensure wind or strong airflow is eliminated during application, however adequate ventilation should still be followed.
12. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR TOPCOAT SEALER

Polyurethane coating with gloss finish

June 2024

STORAGE:

Time	12 months in unopened packs. If longer than 12 months, contact Equus Industries Ltd.
Temperature	Storage temperature between 5°C and 35°C
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

HEALTH AND SAFETY:

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the Safety Datasheets (SDS) for the individual components.

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

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR TOPCOAT SATIN

Polyurethane cement coating with satin finish

April 2024

PRODUCT:

- Monopur Topcoat Satin is a 4-component, solvent free, coloured polyurethane cement coating with a satin finish
- Monopur Topcoat Satin features a satin finish which provides an easy to clean platform underfoot
- Low VOC: Compliant with Green Star Design, and As Built V1.2-13.1.1B, Green Star Interiors V1.2-12.1.1B

USES:

Can be used as a seal coat for Monopur flooring systems including covings. This will provide a hard-wearing, chemical resistant, anti-microbial coloured sealer in a semi-gloss/satin finish.

PACKAGING:

The product is supplied in full units as A+B+C+D packs.

Base A	1.441 kg	
Hardener B	1.5 kg	
Filler C	1.969 kg	
Pigment	0.2 kg	
Kit size	5.11 kg	3.52 L

TECHNICAL DATA:

Standard Coverage Rates

First coat	0.75 kg/m ²	2 m ² /L
*Coverage rate based on Monopur Topcoat Satin applied over aggregate size of approx. 0.6-1 mm. Coverage rate will vary dependant on type of aggregate used.		

Curing Times (at 20°C)

Min overcoating	16 hours
Max overcoating	24 hours
Foot traffic	16 hours
Full traffic	48 hours
* Full chemical resistance is achieved after 5-7 days. ** Low relative humidity, maximum 70% and good ventilation are prerequisites to achieve the above drying times. *** Do not cover or wash within the first 36 hours of curing.	

Properties:

VOC content	44 g/L Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V 1.2-12.1.1B
Density	Approx. 1.45 kg/l (combined)
Solids content	Approx. 95% (by weight)
Finish	Non-Slip Satin Finish
Colour	Refer to Monopur Pigment TDS

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR TOPCOAT SATIN

Polyurethane cement coating with satin finish

April 2024

SUBSTRATE REQUIREMENTS:

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry to 95% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place.

COVING:

Please contact Equus Industries Ltd. for an approved coving mortar.

MIXING:

The product is supplied in full units as A+B+C+Pigment packs. Pack components are pre-weighed for optimum performance. If packs are to be proportioned this must be completed using digital scales.

- Stir Base A to re-disperse any settlement
- Add Filler C to Base A and mix until uniform
- Add Hardener B to the Base A container and drain thoroughly
- Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air

SOLVENT:

Solvent (Xylene / MEK / Acetone) may be added to aid application properties if required.

Add between 2% and 5% solvent (depending on temperature and material viscosity) of Xylene, MEK or Acetone to assist with the application properties.

APPLICATION TEMPERATURE:

The recommended material substrate temperature is 15-35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24 hours after application.

APPLICATION / POT LIFE:

Ready-mixed product should be used within 15 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

APPLICATION METHOD:

The product should be applied using a squeegee and high quality 10-12 mm nap lambswool roller. Do not use Microfibre.

Apply the material evenly across the floor, rolling in a north/south direction, ensuring the wet edge is maintained. Within 5 minutes finish by rolling east to west in one direction only.

Late rolling of the product may result in roller marks appearing in the finished surface. This can also cause differences in gloss levels across the surface of the floor.

ADDITIONAL NOTES:

1. Maximum overcoat time is 24 hours at 20°C if primer is required.
2. The product has reached full chemical cure after 7 days at 20°C.
3. The applied colours may differ from the examples shown.
4. Equus Industries Ltd. assumes no responsibility for the application of incorrect colour.
5. It is the applicators responsibility to verify the accuracy of colour prior to application. Equus Industries Ltd. does not bear any responsibility or accept claims for incorrect colour after application of material.
6. The system is not UV stable and will discolour unless otherwise stated.
7. Do not cover or wash within the first 36 hours of curing at 20°C.
8. This system should be installed at 3°C above the dew point.
9. Please ensure application temperature and RH limits are followed.
10. Wind or strong airflow may cause quick curing and drying of the system.
11. Ensure wind or strong airflow is eliminated during application, however adequate ventilation should still be followed.
12. Direct head during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

MONOPUR TOPCOAT SATIN

Polyurethane cement coating with satin finish

April 2024

STORAGE:

Time	12 months in unopened packs. If longer than 12 months, contact Equus Industries Ltd.
Temperature	Storage temperature between 5°C and 35°C
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

HEALTH AND SAFETY:

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the Safety Datasheets (SDS) for the individual components.

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

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

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

- ① Shot blasted or diamond ground concrete
- ② Primer (as per specification)
- ③ Wearing Layer Monopur SL
- ④ Monopur Topcoat Sealer (or other approved topcoat)

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Floor coating build up (3D)
NUMBER :	EMSL-D1
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Primer (optional)
- ② Monopur SL Flooring
- ③ Mastic LM (or other approved sealer)

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Floor drain detail
NUMBER :	EMSL-D2
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Primer (optional)
- ② Monopur SL Flooring
- ③ Monopur Coving Mix

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Concrete plinth detail
NUMBER :	EMSL-D3
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Primer (optional)
- ② Monopur SL Flooring
- ③ Monopur Coving Mix

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Nib detail
NUMBER :	EMSL-D4
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Primer (optional)
- ② Monopur SL Flooring
- ③ Monopur Coving Mix

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Channel drain detail
NUMBER :	EMSL-D5
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Primer (optional)
- ② Monopur SL Flooring
- ③ Monopur Coving Mix
- ④ Channel bolts
- ⑤ EQUUS Dynamic 100 sealant
- ⑥ Neoprene Washer

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Standard fixing detail
NUMBER :	EMSL-D7
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Monopur SL Flooring on concrete substrate
- ② Monopur Cove
- ③ Solid Monopur plinth
- ④ EQUUS Dynamic 100 sealant
- ⑤ Steel base plate bolted through Monopur plinth to concrete
- ⑥ Steel post

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Typical Plinth Detail
NUMBER :	EMSL-D7b
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Primer (optional)
- ② Monopur SL Flooring
- ③ Equus Dynamic 100 sealant
- ④ Penetration

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Penetration detail
NUMBER :	EMSL-D8
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

- ① Precast Concrete Wall
- ② Epistix Epoxy (wet areas) / Coloughaze (dry areas)
- ③ Monopur Cove, Height = 400mm, Radius 30-40mm
- ④ Chase cold joint filled with Maticury LM or approved sealer
- ⑤ Monopur SL Flooring

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate
TITLE :	Coves and connections to vertical surfaces detail
NUMBER :	EMSL-D9a
DRAWN BY :	NKT
DATE :	16-Sep-2024
REVISD :	
SCALE :	NTS

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applicators, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

① Primer (optional)
 ② Monopur SL Flooring
 ③ Chase cold joint filled with MATAcRYL LM
 ④ Precast Concrete wall
 ⑤ Epistix Epoxy (wet areas) / Colourglaze (dry areas)

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate		
TITLE :	Perimeter drain detail		
NUMBER :	EMSL-D11b	SCALE :	NTS
DRAWN BY :	NKT	DATE :	16-Sep-2024
REVISED :			

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applications, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

① Monopur SL Flooring
 ② Solid Monopur door threshold
 ③ Monopur Cove
 ④ Existing doorway
 ⑤ Existing wall

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate		
TITLE :	Door threshold Detail		
NUMBER :	EMSL-D13	SCALE :	NTS
DRAWN BY :	NKT	DATE :	16-Sep-2024
REVISED :			

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applications, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

CRACK IN THE SUBSTRATE
 ① Fabric
 ② MATAcRYL LM flexible binder
 ③ MONOPUR Flooring System

CONNECTIONS TO DRAINAGE SYSTEM & SUMPS
 ① Cut connection. Fill with MATAcRYL LM flexible resin
 ② MONOPUR Flooring System

CONNECTION TO VERTICAL SURFACE
FREE CONNECTION AT THE DURACON FLOORING END
 ① MONOPUR Flooring System
 ② Connecting area

Expansion Joints
 ① MONOPUR Flooring System
 ② Approved Sealant

PRODUCT :	EQUUS Monopur SL Flooring to Concrete Substrate		
TITLE :	Typical Detail		
NUMBER :	EMSL-D14	SCALE :	NTS
DRAWN BY :	NKT	DATE :	16-Sep-2024
REVISED :			

EQUUS standard details are especially drawn for use by Local Authorities, Building Contractors, Equus Applications, Architects and design professionals. All details are drawn to assist in the development of project-specific details. Details may be modified where necessary to accommodate job-specific requirements but must be approved by Equus Industries Ltd. All components must be supplied by Equus Industries Ltd. Equus reserves the right to alter or upgrade details at any time without prior notice.

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.



Equus Southern

Unit 6/100 Fitzgerald Ave,
Christchurch

PO Box 19 846
Christchurch

Ph: 03 353 2434

southern@equus.nz

Equus Central

45 Hutt Rd, Petone,
Wellington

PO Box 38 636
Wellington Mail Centre

Ph: 04 576 0333

central@equus.nz

Equus Northern

211 Archers Rd, Wairau Valley,
Glenfield, Auckland

PO Box 101 423
North Shore Mail Centre

Ph: 09 415 4314

northern@equus.nz