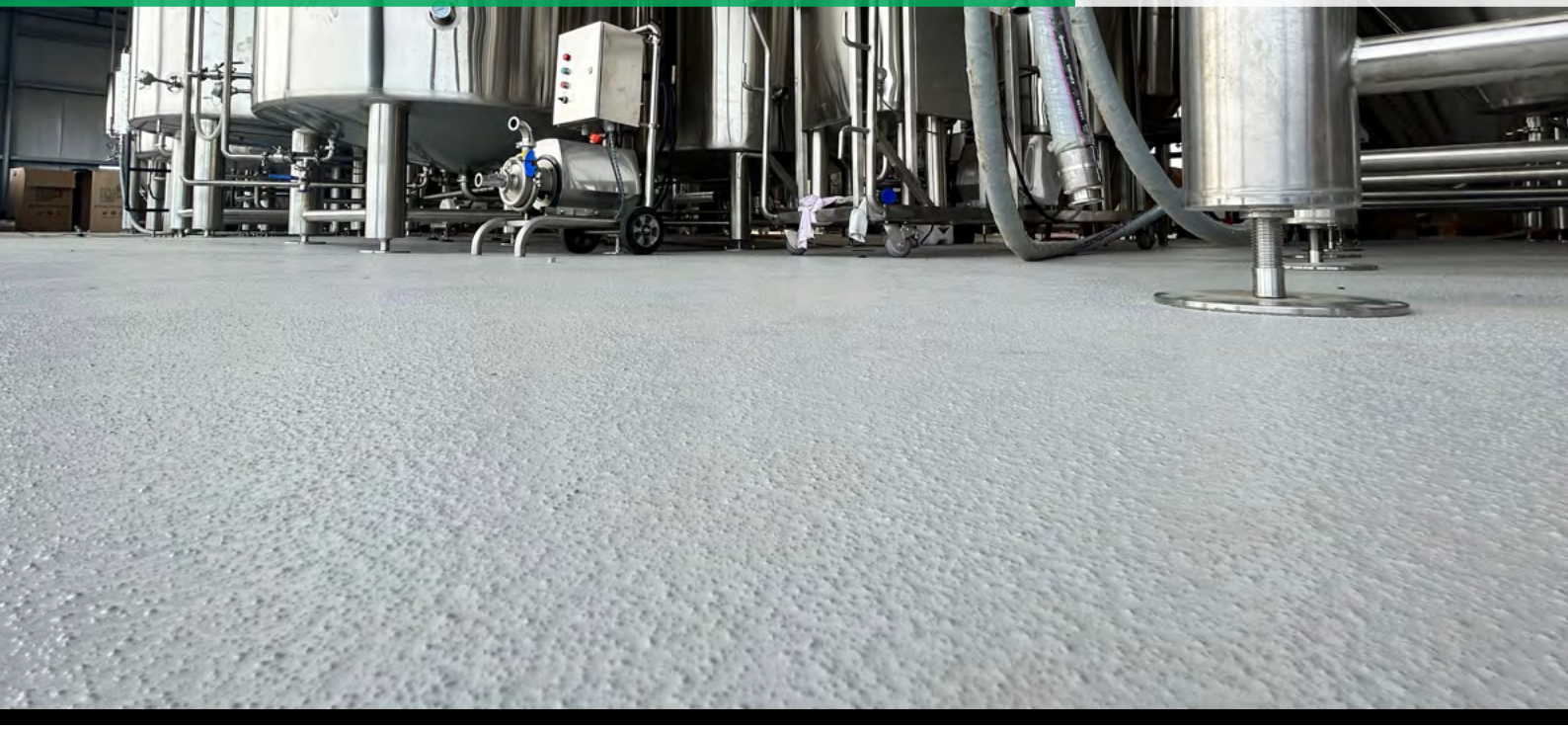
EQUUS MONOPUR SL FLOORING SYSTEM

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

Technical support provided by our team:

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

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.

APPLICATION INSTRUCTIONS

COVING

Coving can form an integral part of the flooring system. It creates a sealed finish between the floor and wall joint. Please refer to approved coving mortar for further information.

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.

INSTALLATION SERVICE

The installation should be carried out by a qualified contractor with a documented quality assurance scheme. For details of our recommended contractors, contact Equus Industries Ltd. Detailed application instructions are available upon request.

ENVIRONMENTAL CONSIDERATIONS

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture of the products.

AFTERCARE, CLEANING & MAINTENANCE

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Please refer to Equus Industries Ltd Cleaning & Maintenance Guide for further information.

WARRANTY

Warranties are available when used in conjunction with the correct specification and installed by an Equus Certified Applicator.

SAFETY PRECAUTIONS

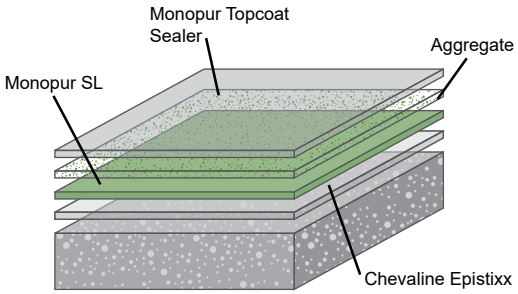
Wear appropriate Personal Protective Equipment (PPE) including masks, gloves, eye protection and protective clothing during mixing and application. Ensure the working area is well ventilated and follow the appropriate Health and Safety guidelines applicable to the location where the application is undertaken.

IMPORTANT

This specification assumes a concrete compressive strength greater than 25 N/mm², application and curing temperatures of 5-35°C, the presence of an effective damp proof membrane below substrate and concrete moisture content less than 95% RH. If moisture content is above 95% RH, please contact Equus Industries Ltd.

This installation must be read in conjunction with relevant product technical data sheets and the application of all materials is to be strictly in accordance with manufacturer's instructions.

SYSTEM BUILD-UP



PRODUCTS INCLUDED IN THIS SYSTEM

Layer 1	Chevaline Epistixx Only if required for porous surfaces
Layer 2	Monopur SL / Aggregate Scatter
Layer 3	Monopur Topcoat Sealer

OUTLINE FOR INSTALLATION

Mechanically Prepare Substrate			
	4mm (kg/m²)	6mm (kg/m²)	9mm (kg/m²)
Apply Chevaline Epistixx Only if required for porous surfaces	0.2-0.4	0.2-0.4	0.2-0.4
Apply Monopur SL	5.4	7.2	13.3
Aggregate Scatter Based on 0.6 mm-1.0 mm Aggregate	3	4	4
Apply Monopur Topcoat Sealer	0.75	0.75	n/a
Alternative Topcoat Apply Monopur Topcoat Satin	0.75	0.75	0.75

MATERIAL SET-UP

Before commencing work ensure that your material is set-up by separating all components (e.g. Base A, Hardener B, Filler C etc.) to ensure that all material is correct. Check product labels and ensure there are equal amounts of product.

SITE SET-UP

Before commencing work ensure that your site is set-up. Mark the floor according to the specification with masking tape or similar to clearly identify what area (m²) each unit will cover. If this is not achieved (greater or less consumption than the specified amount) immediately stop and contact Equus Industries.

Application Instructions (continued)

APPLICATION EQUIPMENT

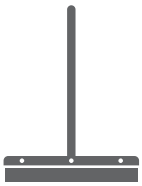
The use of correct application equipment is critical as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work.

The following equipment is recommended for this application.

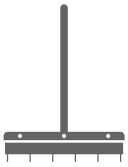
10-12mm Nap Roller
Do not use Microfibre

Spike Shoes

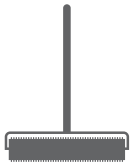
Slow Speed Drill with Helicat Mixer Head



Squeegee



Pin Rake



Spike Roller

Steel Trowel

SURFACE PREPARATION

All concrete surfaces shall be prepared with suitable methods to achieve a clean and porous surface. Check corresponding specifications for further requirements.

APPLICATION TEMPERATURE

The recommended material and substrate temperature is 5-35°C, but no less than 5°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 24hrs 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 OF MONOPUR SL

The substrate must be surface dry before the application of Monopur SL.

Monopur SL must be applied within 24 hours @ 20°C following the application of Monopur Coating.

1. 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 by weight using digital scales.

1A. Mixing Monopur SL (Bulk Packaging)

Stir Base A (17.292kg) to re-disperse any settlement. Add Pigment (1.2kg) and mix until uniform. Transfer to a Portamix Mega Hippo mixing container. Add Hardener B (18kg) 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 11.938kg) 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.

1B. Mixing Monopur SL (Prepacked)

Stir Base A (2.882kg) to re-disperse any settlement. Transfer to a clean container. Add Pigment (0.2kg) and mix until uniform. Add Hardener B (3kg) 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 (11.938kg) to mixing container and mix until uniform.

2. Application

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

Application Instructions (continued)

air. Late spike rolling of the material can result in surface defects. Within 10 minutes (at 20°C) fully broadcast the surface to refusal with the non slip aggregate.

Prior to application of Monopur Coating sweep and vacuum excess and loose aggregates.

APPLICATION OF MONOPUR TOPCOAT SEALER

The previous coat must be surface dry before the application of Monopur Topcoat Sealer.

1. Mixing

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 and decant into a clean container. Add Pigment to the 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.

2. Application

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

CLEANING

Tools and equipment can be cleaned with MEK/Acetone/ Xylene. Please refer to SDS when using solvents.

TRAFFICABILITY

Allow to cure for a minimum of 24 hours at temperature no less than 20°C before foot traffic and 72 hours before vehicular traffic.

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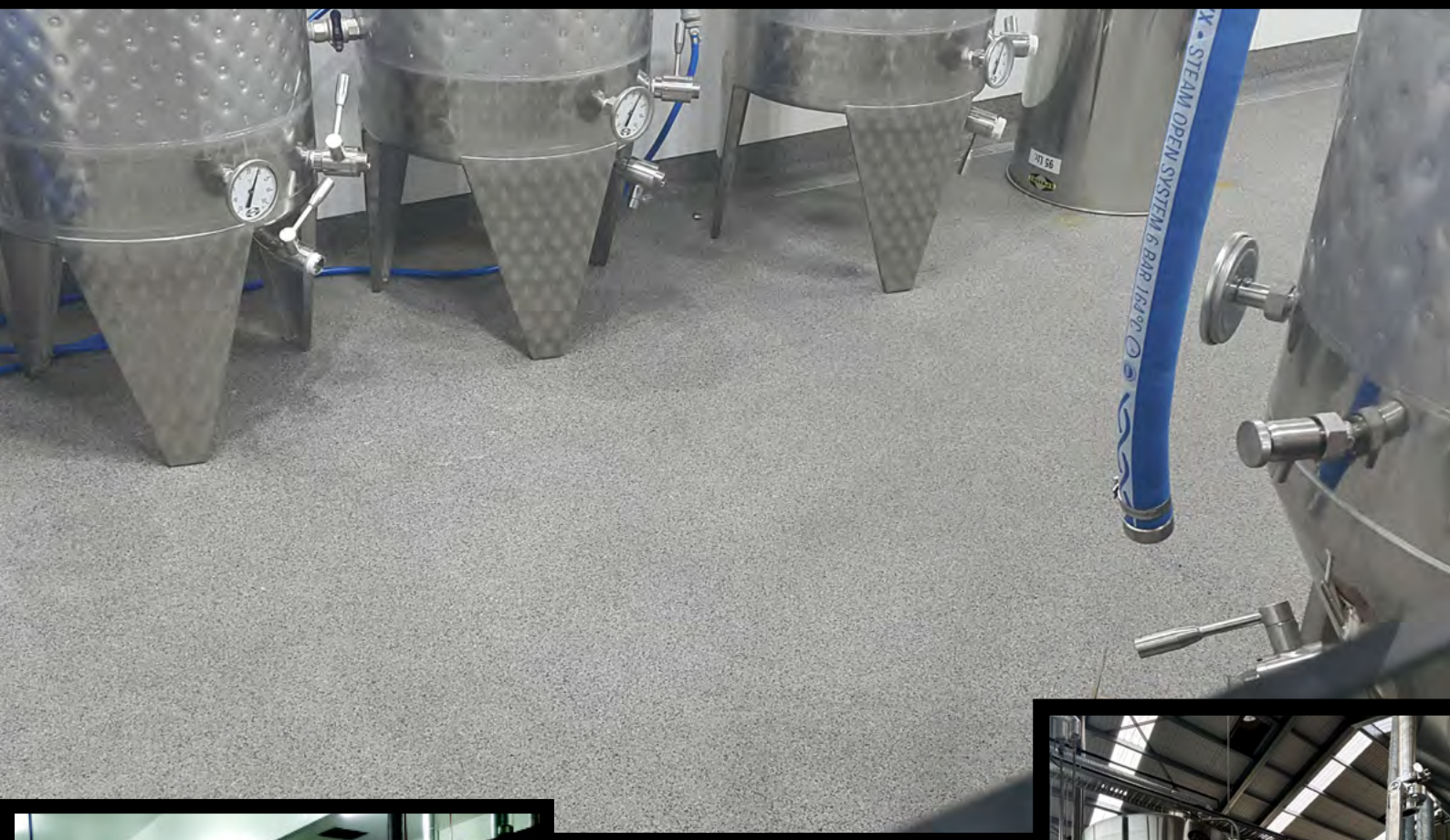

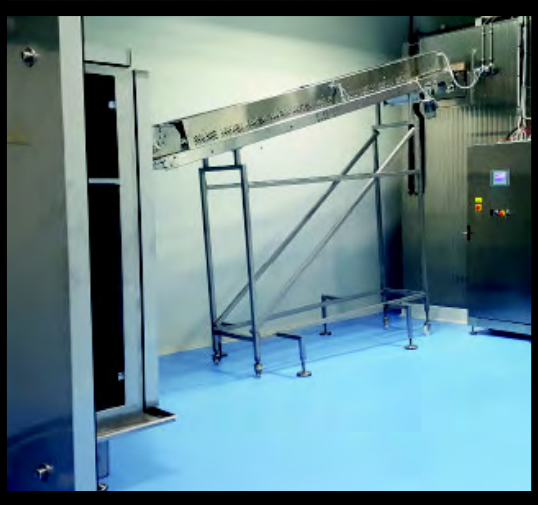

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