

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 |

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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.

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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:

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

MANUFACTURERS CONTACT DETAILS:

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|--|--|
| 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 |