



LIMITED



URETHANE & EPOXY SYSTEMS, DEVELOPMENT & MANUFACTURE

**TECHNICAL DATA**

**DURACOAT MCL**

**GLOSS CLEAR ALIPHATIC POLYURETHANE**

**DESCRIPTION AND USES**

A moisture curing, aliphatic (non-yellowing), clear gloss urethane coating for brush, or roller application. A high performance clear finish coat for natural wooden floors, ground cementitious substrates and for some of the Uroxsys range of Industrial and Commercial flooring systems.

**FEATURES**

Medium build, non-yellowing moisture curing polyurethane  
Contains protective UV absorbers  
Suitable for interior and exterior use  
Fast curing over a wide temperature range.  
Tyre stain resistant.  
Comparatively low smell (xylene free), with a consistent gloss finish.

**SURFACE PREPARATION**

Substrates should be thoroughly sanded or ground to provide a keyed surface, and existing coatings tested for solvent resistance with Uroxsys Reducer R122. Remove all contaminants. Concrete surfaces should be cleaned/etched with Uroxsys CCA or diamond ground and prime with Polyurethane Adhesion Promoter Refer to \*GENERAL ADVICE in Application below. Call Uroxsys Ltd for advice or to discuss non-standard applications.

**APPLICATION**

Decant sufficient for immediate use into a roller tray or working pot. Seal original container to prevent moisture exposure. Decant only that sufficient for 30 minutes use and **do not** return unused product to original container. Apply by floor brush or mohair roller. Sand lightly between coats to remove defects. In cold conditions add up to 1.5% Uroxsys Through-cure Catalyst Solution to achieve normal application viscosity and cure rate. Thin as required for block or paver penetration coat with Uroxsys S18 or Reducer R122.

\*GENERAL ADVICE: Consult the Uroxsys website, [www.uroxsys.co.nz](http://www.uroxsys.co.nz) for Technical bulletins and more in depth advice on floor laying and sanding, and polyurethaning of cork, timber and concrete, and for concrete substrates.

**TECHNICAL DATA**

Composition:	Aliphatic polyurethane prepolymer.
Gloss Level:	Approximately 90% at 60°
Film Thickness:	47.25µ @ 8m <sup>2</sup> /litre 38µ @ 10m <sup>2</sup> /litre 31.5µ @ 12m <sup>2</sup> /litre
Coverage Rate:	8m <sup>2</sup> per litre for flooring, 10–12 m <sup>2</sup> per litre for vertical application
Final Cure:	7 days
Recoat Time:	6-12 hours depending on temperature & ventilation. It is essential to sand between coats after 12 hours cure for improved intercoat adhesion.
Shelf Life:	12 months in factory sealed containers
Number of Coats:	The total build on new timber or concrete surfaces should be achieved using 3 coats at the recommended application rate. On recoat work, one or two coats are sufficient.
Clean Up:	Uroxsys Polyurethane Brush Cleaner

**SAFETY DATA**

Contains isocyanates. When sprayed, this product may be harmful by inhalation. Do not breathe vapour or spray. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye and face protection, including suitable breathing protection, such as an air-supplied respirator or hood. Avoid contact with exposed skin.

**DISCLAIMER:** This information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

MCL TD11 SEP07