



POLYTHANE 5615 Concrete

POLYTHANE 5615 Concrete is a high performance, two pack, acrylic modified polyurethane coating designed to be applied over concrete surfaces.

Product Advantages

- Outstanding durability, gloss and colour retention
- Excellent opacity, achieve a gloss finish with minimal coats
- Excellent inter-coat adhesion
- Non yellowing, will provide the least amount of colour change over time

Typical Applications

Concrete floors: retail centres, factory outlet stores, private homes, multi storey buildings, warehouse floors and walls.

Product Properties

Build:	Good
Solvent Resistance:	Good
Water Resistance:	Excellent
Levelling & Flow:	Excellent

Typical Properties

Colour:	White & tinted colours
Gloss:	Full Gloss

Product Approvals:

POLYTHANE 5615 has been evaluated for: AS 4586:2013/Amdt 1:2017 Slip resistance classification of new pedestrian surface materials, Appendix B – Dry Floor Friction Test. Classification **D1**. Appendix D – Oil-Wet Inclining Platform Test. Classification **R10**. Appendix A – Wet Pendulum Test. Classification **P4**.

(Note: to achieve R10 & P4 rating, Polycure 3920 High Grip must be used in the final coat of POLYTHANE 5615. Refer to Polycure 3920 High Grip data sheet).

Coverage: 6-8 m² per litre

Application Methods: 6mm mohair or micro fibre roller and a good quality brush to cut in

Drying:	Recoat:	Overnight
	Hard Dry:	Overnight, light traffic after 24 hours
	Full Cure:	10-14 days (Floors should not be walked on with shoes for 48 hours)

Care should be taken to avoid dragging objects or equipment over the surface, use protective pads on furniture legs.

Temperatures below 16°C will retard the curing reaction of the product. Drying time is also affected by wet film thickness, the higher the WFT the slower the rate of reaction and the longer the dry time.

Mixing Ratio: 4A:1B 4 Parts POLYTHANE 5615 Part A + 1 Part POLYTHANE 5789 Part B Hardener

Pot Life: Up to 6 hours

Pot life varies significantly with ambient temperature, humidity and quantity mixed. Pot life is longer at lower temperatures and shorter at higher temperatures. The larger the quantity mixed, the shorter the pot life will be. Only mix the quantity required for the job.

Thinning: 25-40% with MIROSOL 1260 (Medium) or 1218 (Slow) thinner.

Application Directions:

Preparing the floor to a professional standard is essential to achieve the best results.

- Floor must be structurally sound and the concrete fully cured for a minimum of 28 days before any coating is applied. This may vary depending upon the site conditions and environmental factors.
- It is essential to clean new concrete before applying POLYTHANE 5615. Use a high pressure water blaster (>2000 Psi) to remove all concrete scale, dirt, dust and any other contamination.
- If the surface is smooth or hardened, an acid etch must be used to improve porosity. Mix 1 part hydrochloric acid to 15 parts water and brush over the surface. Allow to penetrate for several minutes before thoroughly flushing the surface with water to remove the acid solution.
- To ensure the best adhesion, the first coat of POLYTHANE 5615 must be thinned 25% with MIROSOL 1260 Thinner. Each coat of POLYTHANE 5615 must be applied within 24 hours of application of the previous coat.
- For surfaces left longer than 24 hours to dry, sanding of POLYTHANE 5615 is recommended to ensure sound inter coat adhesion.
- For R10 & P4 rating Polycure 3920 High Grip additive must be added to the final coat. Add 200ml (1 white cup) of Polycure 3920 High Grip Additive to each mixed litre of POLYTHANE 5615.

Application Equipment Clean Up: Clean all equipment using MIROSOL 1260 or 1218 Thinner.

Shelf Life: 12 months. Store in dry cool environment, in original sealed containers.

Packaging: POLYTHANE 5615 Part A - 20 Litre
MIROTHANE PU 5789 Part B - 4 Litre

Health & Safety

Before handling, refer to the Material Safety Data Sheet for health and safety information. Ensure that all personnel using this product have read and understood this data sheet and the associated MSDS and packaging label before using this product.

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