PRODUCT DATA SHEET

DUROPOXY™ SLR 100

EPOXY BASED DURABLE TOP-COAT COLOURED FLOOR COATING

DUROTECH
Commercial Waterproofing & Sealants



DESCRIPTION

DUROPOXY™ SLR 100 is a solvent free, durable floor coating based on a hard wearing, two component epoxy resin system. The cured floor provides excellent resistance to chemical and mechanical damage. There is a semi gloss surface finish for this product that is textured and durable. This product can be applied to a 400um profile; this can be achieved in two coats.

FEATURES

- 100% solvent free
- Extended working time
- Bonds to damp surface
- Chemical resistant
- Non flammable

USE AREA

- Workshops
- Garage floors
- Factory floor
- Warehouses
- Shop floors

TECHNICAL INFORMATION

PROPERTY	RESIN	HARDENER
Appearance	Neutral Grey	Straw to amber colour liquid
Specific gravity g/cm3	1.64 ± 0.05	1.64 ± 0.05
Viscosity @ 25°C	4,000 – 8,000 cps	100 – 300 cps

MIXING AND CURING CONDITIONS

PROPERTY	RESIN/HARDENER
Mix Ratio by Weight (Resin/Weight)	100 / 23
Solids Content	100%
Mixed Specific Gravity	1.57 gms/ cm3
Work Time (10L kit)	20 minutes @ 25°C
Recoat Time	Less than 12 hours @ 25°C
Ready for Foot Traffic	24 - 48 hours @25°C
Ready for Vehicular Traffic	48 – 72 hours @25°C

TYPICAL PHYSICAL PROPERTIES

PROPERTY	METHOD	RESIN/ HARDENER
Hardness	AS/NZS 1683.15	63 Shore D
Tensile Strength	AS/NZS 1683.11	23MPa
Compressive Strength	ASTM D1621-04	67 MPa
% Elongation	AS/NZS 1683.11	6%

These values are typical properties and are not to be used for specification

AUSTRALIAN MADE SINCE 1977

SINCE 1977
Trialled • Tested • Approved

PACKAGING

DUROPOXY™ SLR 100 is supplied as a 10L Kit (7.3L Resin / 2.7L Hardener)

COLOURS

STOCKED COLOURS: Light Grey, Neutral Grey & Dark Grey

MADE TO ORDER COLOURS: Koala Grey, Red Oxide & Safety Yellow

APPLICATION

Surface Preparation: The surface must be clean, dry and free from loose particles, including dust, grease, coatings and curing compounds and other foreign matter. The substrate must be prepared by any way of degreasing, grinding or captive shot blasting to expose aggregate and provide a profile. Allow floor to dry if degreasing has been carried out. DUROPRIME™ U200 may be used to seal floor after cleaning or degreasing. Ensure floor is dry before applying the DUROPRIME™ U200.

DUROPRIME™ U200 with an aggregate (DUROGRIT) may be used to level surface irregularities. For further information on aggregate quantities, please refer to DUROPRIME™ U200 technical datasheet. The compressive strength of substrates shall not be less than 23MPa. A minimum direct tensile pull off is 1.5 MPa. The moisture content of substrate shall not be higher than 8% throughout and the temperature of the substrate must be 3°C above the current dew point. Fill surface irregularities such as cracks, honeycombs with DUROPOXY™ aggregate system. Protect walls and columns against flashes using masking tape and polyethylene sheet.

ESTIMATED COVERAGE

The consumption will depend upon substrate condition or type. Apply to give a coverage of Xm^2 per litre a second prime coat may be required for porous substrate.

Recommended film thickness per coat (SLR100 is designed for 2 coats).

Film thickness and spread rate	Dry film thickness (um)	Wet film thickness (um)	Theoretical spread rate (m^2/L) per coat
Minimum	150	150	6.6
Recommended	200	200	5
Maximum	300	300	3.3

E.g. Coverage at 150um is 6.6m2 per litre per coat (2 coats required to give an approximate coverage of 3.3M2 at 300um thick).

The following slip resistance rating was achieved by broadcasting *250gms of Durogrit aggregate per square metre of applied SLR100.

TEST	RATING	TEST METHOD
Dry Friction (COF)	D1 (with DUROGRIT)* COF < 0.4	AS 4586 (Appendix B)
Wet Pendulum Slip Rating (P0 - P5)	P5 (with DUROGRIT)*	AS 4586 (Appendix A

STORAGE

DUROPOXY™ SLR 100 stored in its original sealed containers for up to 12 months in controlled environment. Place out of direct sunlight at temperatures between 15-30°C.

CLEANING

Clean the tools and equipment with rags, then wipe off using a solvent such as DUROTECH™ XYLENE before the resin system hardens.

HEALTH & SAFETY

Please observe the precautionary notices displayed on container. Use under well ventilated conditions. Avoid skin contact. Spillage on the skin should be removed immediately with suitable cleanser, soap and water. Eyes should be well flushed with water and seek medical attention immediately. For the full health and safety hazard information and how to safely handle and use the product, please make sure you refer to relevant MSDS.

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