

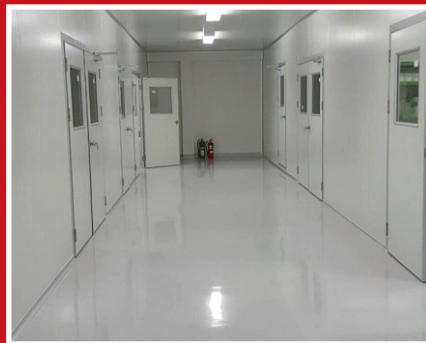


Waterproofing • Sealants • Adhesives



EPOXY

FLOORING SYSTEMS



Australian made for 40 years

www.durotechindustries.com.au

EPOXY FLOORING SYSTEMS

DuroPoxy SLR 100

Epoxy Based Durable Top-Coat Coloured Floor Coating

Description:

DuroPoxy SLR100 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

- Kits - No onsite mixing errors
- 100% solvent free
- Extended resistance
- Bonds to damp surface
- Chemical resistant
- Non-flammable
- Can be coloured - enhance the solution for client needs.

Uses

- Workshops
- Garage floors
- Factory floors
- Warehouses
- Shop floors.

Component Properties

Property	Resin	Hardener
Appearance	Neutral Grey	Straw to amber colour liquid
Specific gravity g/cm ³	1.64 ± 0.05	1.06 ± 0.05
Viscosity @ 25°C	4,000-8,000 cps	100 - 300 cps

Component Properties

Property	Resin / Hardener
Mix ratio by weight (resin / weight)	100/23
Solids Content	100%
Mixed specific gravity	1.57 gms/cm ³
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	23 MPa
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

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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.

DuroPoxy Primer 100 may be used to seal floor after cleaning or degreasing. Ensure floor is dry before applying the DuroPoxy Primer 100.

DuroPoxy Binder with aggregate (Durosand K5) may be used to level surface irregularities. For further information on aggregate quantities, please refer to DuroPoxy Binder 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.

Mixing: Prior to mixing the temperature of the components must be between 10-30°C. All mixing should be done using a slow speed drill (300-600 rpm) and a spiral mixing paddle. Add the hardener to the resin and continue to mix for 3 minutes at 300-600rpm.

Allow to stand for a minimum 5 minutes after stirring in cold weather (below 15°C or above 8°C). Ensure all the containers are empty before disposal. Allow to stand for 2 minutes at 25°C.

400um thickness can be achieved in two coats by applying and spreading with brush or roller...see coverage rates.

NOTE: Working time is approximately 20 minutes. This will vary depending on ambient conditions, quantity mixed and placed (see Dry and Curing times).

The following restrictions must be observed:

- Only apply the coating when the substrate temperature is at least 3°C above the dew point.
- Do not apply the coating if the substrate is below 5°C.
- Do not apply the coating if the substrate is wet or likely to become wet.
- Do not apply the coating if the weather is clearly deteriorating or unfavourable for application or curing
- Do not apply coating in strong wind conditions.

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Dry and Curing time for SLR100

Substrate Temperature	15°C	25°C	35°C
Re-coat, minimum (hours)	24	12	8
Re-coat, minimum (hours)	48	24	24
Cured ready for foot traffic (hours)	48	24	24
Cured ready for foot traffic (hours)	96	48	48

Estimating 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 (Litres/ m^2) per coat
Minimum	125	125	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).

Packaging and Colour Availability

Duopoxy SLR100 is supplied as a 10L Kit (7.3L Resin / 2.7L Hardener).

Colours:

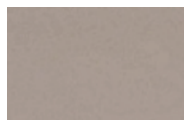
Red Oxide



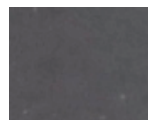
Safety Yellow



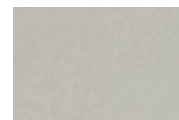
Koala Grey



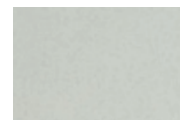
Dark Grey



Light Grey



Neutral Grey



Storage

Duopoxy SLR100 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 xylene before the resin system hardens.

HEALTH and 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.

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DuroPoxy SLR 100

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Features

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- Chemical resistance
- Bonds to damp surface
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Use Areas

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

DuroPoxy SLT 2000

DuroPoxy SLT 2000 is a solvent free, durable floor coating based on a hard wearing, two component epoxy resin system.

Features

- Kits – no onsite mixing errors
- 100% solvent free
- Extended working time
- Chemical resistance
- Bonds to damp surface
- Chemical resistant
- Non-flammable
- Can be coloured – enhance the solution for client needs



Use Areas

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

Can be applied 2000 microns in one coat

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DUROPOXY PRIMER 100

DuroPoxy Primer 100 is a solvent free, non pigmented, two component epoxy based primer for Durotech self leveling epoxy flooring systems.



Features

- High adhesive strength - creates an extremely good bond to concrete substrates and aggregates
- Lower viscosity
- Excellent cure rate low temperatures
- Chemical resistance
- Excellent adhesion to dry, damp and or dense surfaces
- Multi-purpose epoxy primer
- Non-flammable, Very low VOC content

Use Areas

- Primer for dense concrete
- Mortar
- Screed
- Primer for trafficable epoxy systems
- Primer for polyurethane membranes
- Primer for damp substrates

DuroPoxy Binder

DuroPoxy Binder is an excellent product that is truly versatile. It is truly good technology ready for saving cost and creating leverage in your current based markets.



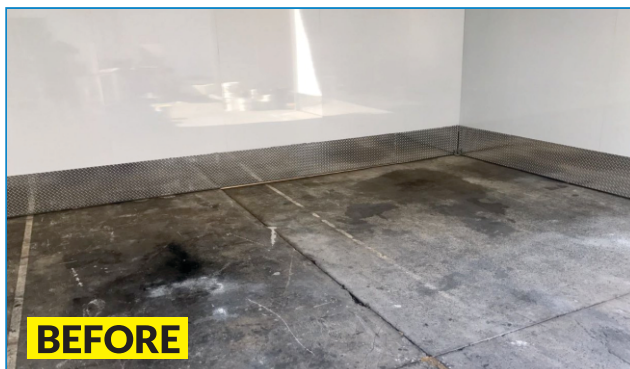
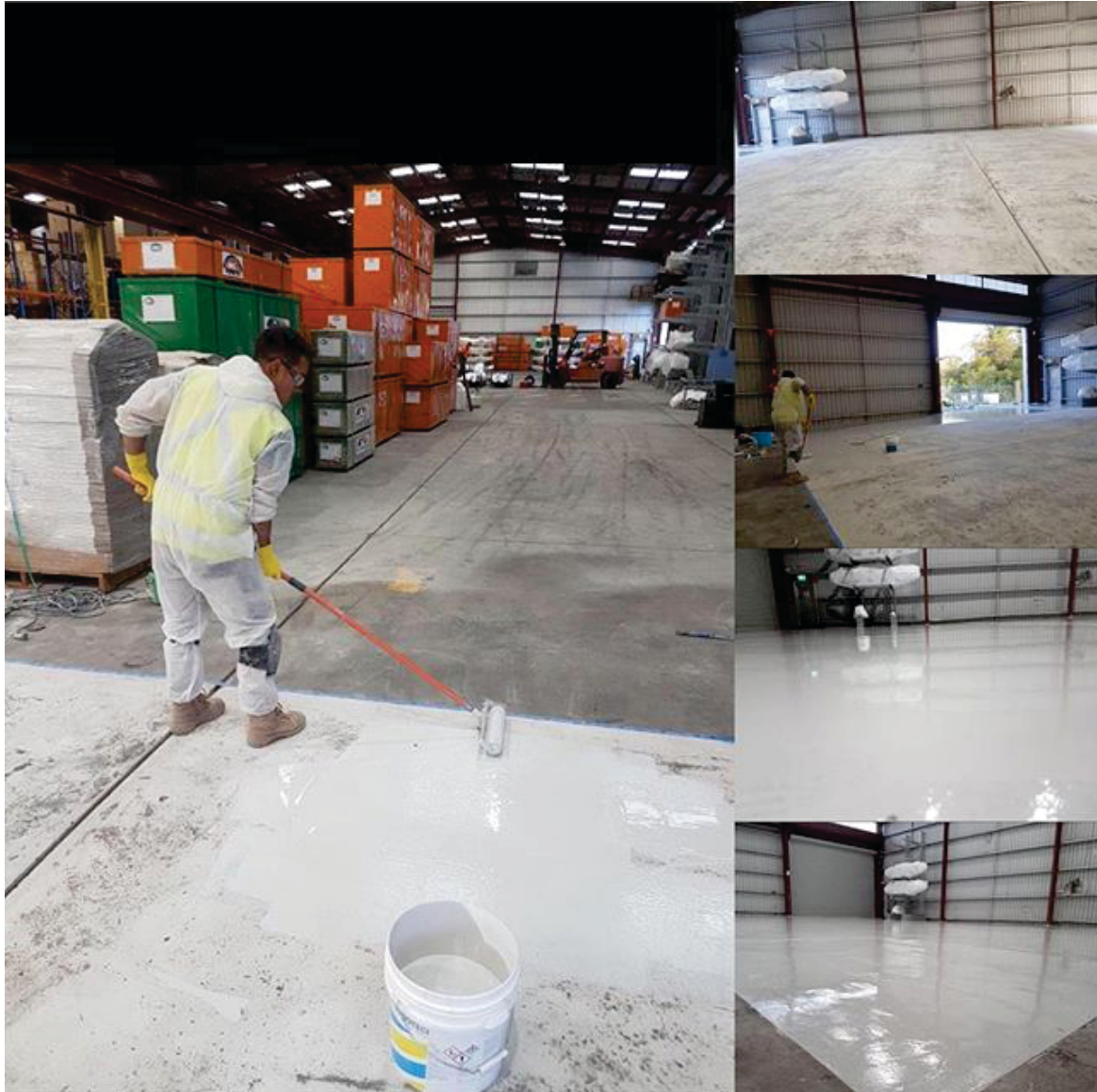
Features

- One product - creates many solutions
- 100% Solvent Free
- Low temperature cure
- Extended working time
- Chemical resistance
- Excellent adhesion to damp or dry concrete
- Chemical resistant
- Excellent mechanical strength
- Extend time and suitable for aggregate mixture

Use Areas

- Repair and structural bonding of new to old concrete
- Repair of cracks in old concrete floors
- Grouts for bolts and support in concrete
- Coving applications

PROJECT IMAGES



DUROFLAKE



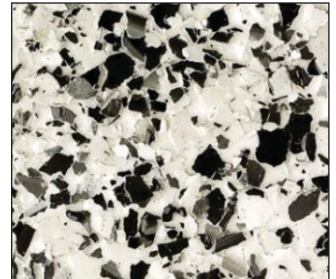
DUROFLAKE - Black Marble



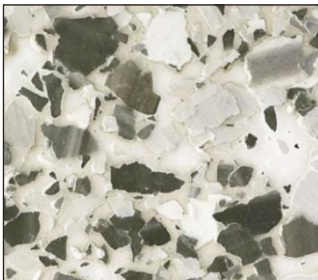
DUROFLAKE - Richmond Grey



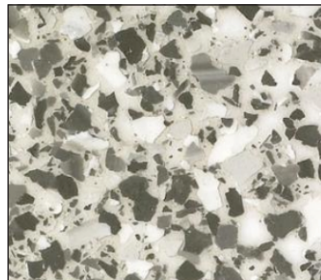
DUROFLAKE - Black Marble
Large



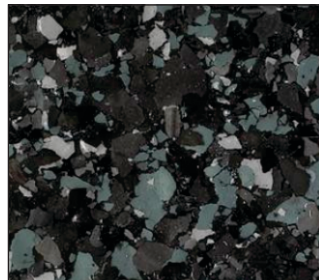
DUROFLAKE - Black Marble
Small



DUROFLAKE - Richmond Marble
Large



DUROFLAKE - Richmond Marble
Small



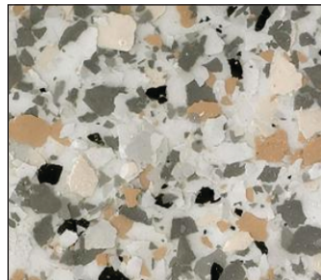
DUROFLAKE - Black Granite



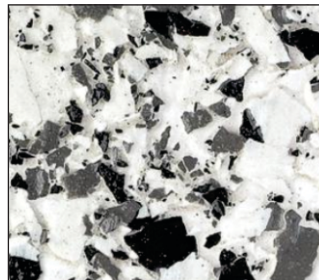
DUROFLAKE - Grey Granite



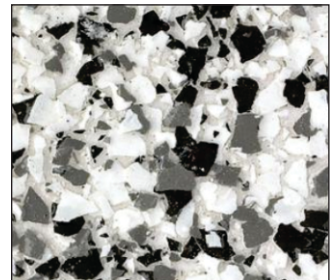
DUROFLAKE - Moonlite Rated



DUROFLAKE - Storm



DUROFLAKE - Ash Grey
Large



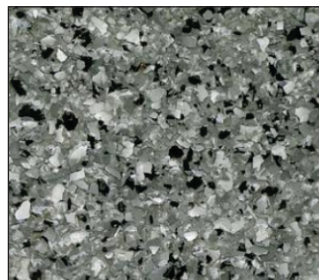
DUROFLAKE - Ash Grey
Small



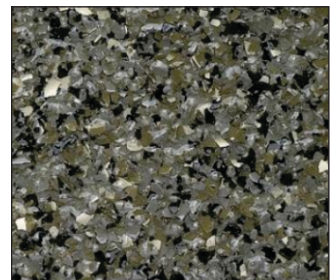
DUROFLAKE - Steel
Large



DUROFLAKE - Steel
Small



DUROFLAKE - Pewter



DUROFLAKE - Volcaniv Ash

About Durotech Industries

Durotech Industries is a leading manufacturer and supplier of waterproofing, sealants and adhesive technologies. Durotech Systems products have been widely used in the construction industry for the for the sealing and coating of both residential, commercial and industrial buildings for over 41 years.

Our Vision

To deliver high quality, durable waterproofing solutions to people around the world. To be the market leader in the provision of high quality, durable waterproofing solutions and to deliver exceptional results for all our stakeholders - our customers, our employees, our communities, our natural environment, shareholders and board. We stand for sustainable excellence.

Concept of Epoxy Flooring

Epoxy is a term that's come to represent a class of materials and the act of using those materials. Epoxy "systems" are based on a combination of resins and hardeners. When mixed together, the resin and hardener chemically react to form a rigid plastic material. The final material is strong, durable, resistant, and bonds extremely well to most base layers. Epoxy floors are so strong that they're often used in heavy traffic areas such as industrial environments, hospitals, or sports facilities. If you've ever considered an easy-to-maintain, industrial-grade flooring option, we bet there's an epoxy solution for you! At Performance Industrial, we offer over 5+ different epoxy and industrial flooring systems including Self-Leveling Epoxy Floors, Epoxy Mortar Floors and Epoxy Flake Floors. Epoxy is a unique solution because it's not only incredibly practical, but the materials used in it make it flexible for almost endless applications. Whether you need to make a beautiful entrance to your hotel lobby, or create a fire-proof warehouse floor, there's an epoxy system for you.



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