

Description

rbs Polyurethane Floor Paint protects and provides a tough, durable, hard wearing and attractive finish. It is damage resistant and easy to apply to a wide range of foot and light trafficked surfaces. Available in Mid Grey (BS 00 A 09), Dark Grey (BS 18 B 25) and Tile Red (RAL 3009), other colours are also available on request.

Advantages

- Durable polyurethane finish
- Provides a smooth gloss coating
- Ideal for light trafficked areas
- Easy to apply by brush or roller
- For internal use
- Non slip with the addition of rbs Anti-Slip Additive

Recommended Uses

Suitable for use on mature concrete, wood, metal and sound previously painted surfaces such as:

- Production Areas
- Garages / Workshops
- Warehouse / Factories

rbs Anti-Slip Additive

Additive per m² is approx .012kg based on a mean particle size of 175 microns and a maximum of 300 microns.

The aggregate has been specifically selected for its density of 0.9 g/cc as this avoids heavy settlement that occurs when using aggregates such as sand. It is a micronized polypropylene with carefully controlled particle sizes that provide a uniform textured surface that impart a smoother "feel" than other types of texturing agents due to its rounded, almost spherical shape.

Application

Surface preparation – For porous unpainted mature concrete, firstly apply a coat of rbs Greencure Sealer, then two coats of rbs Polyurethane Floor Paint to enhance the performance of the coating's life cycle. On porous surfaces apply two coats of rbs Polyurethane Floor Paint. On previously painted surfaces, ensure it is sound and non-flaking. Abrade the surface preferably by mechanical abrasion to provide a 'key' and to maximise adhesion of the floor paint.

New concrete should be left for at least four weeks to dry in the summer and six weeks in the winter. Clean and thoroughly rinse away any dust or debris and leave to dry prior to applying a primer or this floor paint. Very porous high suction surfaces or heavily dusting concrete, for optimal performance use rbs Greencure Sealer or a thin first coat of floor paint with 10-15% of White Spirit.

Mixing for Floor Paint - Stir the paint with a drill stirrer or wooden baton at least 2" wide. Continue to stir during application.

Mixing for Anti-Slip Floor Paint - To make the product anti-slip add 1 litre of rbs Anti-Slip Additive per 5 litres of rbs Polyurethane Floor Paint. Decant rbs Polyurethane Floor Paint into a larger mixing container. Add the rbs Anti-Slip Additive and mix until a uniform and well dispersed consistency is achieved.

Application - Apply preferably by roller and work well into the surface. Use a paint brush for cutting in. Avoid applying the paint too thickly to avoid "ponding". The second coat can be applied as soon as the first coat is dry after 16-24 hours), and should be applied within 3 days. If more than 3 days elapse, the first coat should be lightly abraded before the second coat is applied. Avoid washing the surface for 7 days.

Drying & Overcoating Times

Applied to 30 microns DFT		+10°C	+20°C	+30°C
Touch Dry		16 hr	6 hr	3 hr
Foot Traffic		48 hr	24 hr	24 hr
Full Use	Minimum	72 hr	36 hr	24 hr
Overcoating	Maximum	24 hr	16 hr	16 hr

Drying and re-coating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. The moisture content of concrete should be less than 75% RH.

Application Methods

Method	Airless Spray	Conventional Spray	Brush	Roller
rbs Floor Paint	Yes	Yes	Yes	Yes
rbs Anti-Slip	No	No	Yes	Yes

- Airless Spray: Output fluid pressure at tip 2500-3500 psi, Tip Size 15-21 thou (0.38-0.53 mm)
- Application by brush can achieve up to 80 microns dft
- When applying by roller, use a solvent resistant sleeve.
- Avoid excessive film thickness as this will cause through-drying problems

Film Thickness & Coverage

	Dry Film Thickness	Wet Film Thickness	Theoretical Coverage
Minimum	32 µm	80 µm	13.1 m ² /litre

Actual coverage varies considerably with factors including surface porosity, roughness, application methods and conditions.

Cleaning

Use white spirit to clean equipment.

Storage

Between 15°C - 25°C for at least 12 hours prior to use. Do not allow to freeze. Shelf Life is a minimum of 2 years when stored as above.

VOC Content & Compliance

479 ± 20 g/litre (may vary with colour)
2004/42/EC (2012)* sub-category (i) - VOC level below 500 g/l.

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Technical Data

Finish	Gloss
Volume Solids	42 ± 2%
Pack Size	5L
Minimum Application Temp	Air temperature 15°C Floor temperature 10°C
Colour Range	Mid Grey, Dark Grey, Tile Red
Specific Gravity	1.01 – 1.75 kg/lit (varies with colour)
Flash Point	Above 38°C (closed cup)
Typical Viscosity	3 - 5 Poise @ 25°C

Important Note

This coating is not recommended for areas where cars may stand for long periods or for heavily trafficked areas, instead use a 2 part Epoxy Floor Paint.

In common with single pack paints of this type, a reaction can take place between the car tyres and the paint, leading to delamination. For concrete less than four weeks old prime with a Damp Proof Primer. When cleaning is required Mild, neutral detergent. Do not steam clean or jet wash unless a moisture content of less than 7% can be achieved.

Health & Safety

Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request.

Resapol Foundation 

Giving back with every pack

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