TECHNICAL DATA SHEET

303 WG EPOXY FLOOR PAINT

FAST CURING, HIGH PERFORMANCE WATER BASED EPOXY

DESCRIPTION

303 WG Epoxy Floor Paint is a fast curing, high performance, water dispersible epoxy coating for the protection and decoration of floors and walls. It is designed to be used in lower temperatures or when a fast return to service is required. 303 WG Epoxy Floor Paint is user and environmentally friendly, containing no solvents and being of a very low odour during application.

303 WG Epoxy Floor Paint may be easily applied by brush, roller or airless spray, to provide a decorative, abrasion and chemically resistant coating of excellent durability.

303 WG Epoxy Floor Paint leaves a smooth satin finish when dry. Anti-slip properties of the coating can be enhanced by the addition of 508 Fine Particle Anti-Slip Additive can be added to the coating (200g per 5kg of 303 WG Epoxy Floor Paint) during mixing prior to application to produce an even and easily cleanable texture to the dried surface.

NOTE: For our ultimate slip resistance see 502 HD Anti-Slip Coating.

RECOMMENDED USES

- As a floor covering in food factories, abattoirs, dairies, laboratories, warehouses, etc.
- Where a fast return to service is required or when application must be carried out in lower temperatures.
- As a chemically resistant coating for bund areas.
- As a hygienic, easily cleanable surface on walls, ceilings etc.

TYPICAL PROPERTIES

Pot life @ 20°C:	60 Minutes
Pot life @ 10°C	120 Minutes
Application Temperatures:	Minimum = 3°C Maximum = 30°C
Coverage:	0.20-0.25kg/m²/coat
Volume Solids:	65%
Finish:	Semi-Gloss
Chemical Resistance:	Excellent resistance to water, dilute acids, dilute alkalis, glycol ethers, dibasic ester solvent, skydrol, etc. Please consult our Technical Department for specific advice.

ADVANTAGES

- Fast curing even at lower temperatures
- May be applied to dry or damp surfaces
- Available in a wide range of colours
- Low odour
- Easily applied
- Excellent resistance to water, oils, skydrol, petrol, dilute acids, alkalis and many solvents.
- Very good adhesion to concrete
- Hygienic and easily cleaned.
- Semi-Gloss finish
- Slip resistant options

COLOUR RANGE

- White
- Black
- Tile Red
- Signal Red
- Light Grey
- Mid. Grey
- Dark Grey
- Mid. Blue
- Mid. Green
- Safety Yellow

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PACK SIZES

- 5kg composite packs (including base, hardener)
- 15kg composite packs (including base, hardener)

COVERAGE

A 5kg pack is sufficient to treat 10.0-12.5 m² of surface with the recommended two coat treatment, providing an overall d.f.t. of 200-250 microns. (15kg pack pro rata).

SURFACE PREPARATION

CONCRETE
Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, and existing paint finishes etc. Smooth concrete, or concrete with soft laitance, shall be mechanically treated by diamond grinding or grit blasting to provide a clean profiled surface. Should this not be practicable then acid etching, although less preferable, is also an option. Blow holes and defective concrete shall be made good using 201 Epoxy Repair Mortar. Suitable mechanical treatment, such as vacuum grit blasting, is recommended to ensure a clean, uncontaminated substrate.

METAL
Metal surfaces shall be wire brushed or power disced to remove any rust and loose or flaking material. Grit blasting is recommended, where practical, for optimum performance. Surface should then be immediately coated after preparation with 404 Epoxy Metal Primer – see separate product data sheet for details.

WOOD
Wood surfaces shall be sanded to a smooth finish, and all previous coating removed. Previously untreated wood shall be sealed with a coat of 401 Epoxy Floor Primer or 402 Damp Proof Coating.

Note: Substrates with high moisture content or oil contamination can still be coated in most instances by the inclusion of one of our specialist primers. Please see 402 Damp Proof Coating and 403 Oil Tolerant Primer for full details.

303 WG Epoxy Floor Paint will not tolerate movement in the substrate, if there is a possibility the substrate may flex, expand and contract, shift etc. use one of our flexible coatings – Contact the Technical Department for more details.

PRIMING

A primer coat of 401 Epoxy Floor Primer is recommended on concrete substrates. This will facilitate application to damp and/or absorbent surfaces.

Apply the 401 Epoxy Floor Primer at a nominal rate of 0.2kg per m² in accordance with the product data sheet instructions.

Allow the primer to cure for a minimum period of 2 hours @ 20°C. Ensure good ventilation during the drying/curing period.

MIXING

Pour the contents of the base container into the curing agent container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved.

The mixed material may be thinned by the addition of up to a maximum of 10% by volume of clean, potable water.

Mixing Ratio
By Volume = 1 Base : 2.6 Curing Agent

APPLICATION

Apply by brush, roller or airless spray at a nominal rate of 0.20 to 0.25kg/sq.m. per coat equivalent to a dry film thickness of 100-125 microns.

A minimum two coat treatment is recommended, applying subsequent coats after a minimum interval of 3 hours cure at 20°C. Ensure good ventilation after application, as this speeds up the physical drying stage of the curing process.

Should a non-slip finish be required, 508 Fine Particle Anti-Slip Additive can be added to the coating during mixing prior to application to produce an even and easily cleanable texture to the dried surface.

Alternatively for a more aggressive anti-slip finish 504 Standard Anti Slip Aggregate can be scattered onto the first coat of 303 WG Epoxy Floor Paint whilst still wet. The following day any excess aggregate may be swept from the surface using a clean brush prior to application of the second coat.

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EQUIPMENT CLEANING

Clean equipment with 109 Tool Cleaner prior to curing of the coating.

CURING

Allow to cure for a minimum of 3 hours @ 20°C prior to light foot traffic access and 8 hours @ 20°C prior to vehicular trafficking.

7 days cure @ 20°C is recommended prior to exposure to chemicals. Good ventilation is essential for satisfactory curing of the coating. Lower temperatures will extend the curing time.

STORAGE & SHELF LIFE

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

303 WG Epoxy Floor Paint has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

LIMITATIONS

- Do not apply to wet or uncured concrete surfaces.
- Do not apply at temperatures of 3°C or less.
- In poorly ventilated areas forced extraction must be provided.

HEALTH & SAFETY

- Avoid contact of the material with skin and eyes.
- Wear gloves and goggles.
- Wash off splashes immediately with soap and water.
- Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional Information.

303 WG Epoxy Floor Paint shall be applied strictly in accordance with the manufacturer's instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.

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