

Decra Glaze 100

DESCRIPTION

Decra Glaze 100 is a multi-component high build, solvent free epoxy coating system for use on concrete floors. *Decra Glaze 100* has been designed to provide a high level of chemical and abrasion resistance. It provides excellent adhesion properties and is impervious and easily cleaned. *Decra Glaze 100* is available in clear black, white, and a range of colours through the addition of colour packs.

FEATURES AND BENEFITS

- 100% solids epoxy
- Solvent free
- Excellent adhesion to most substrates
- Durable and easily maintained with good resistance to most chemicals and solvents
- High mechanical strength
- Clear finish ideal for polished concrete
- Can be incorporated with aggregates to produce a non-slip surface
- Provides an attractive gloss finish
- Available in a range of decorative and light reflecting colours.

RECOMMENDED SUBSTRATES

- Food & chemical processing areas
- Warehouse floors
- Decorative and flake flooring
- Polished concrete
- Hospitals and schools
- High traffic areas

PERFORMANCE PROPERTIES

| | |
|------------------|------------------------------|
| Appearance | Uniform paste |
| Colour | White/Grey or special colour |
| Finish | Gloss |
| Mixing Ratio | 2:1 by volume |
| Volume Solids | 100% |
| Weight Solids | 100% |
| Pot Life | 45 min @ 25°C |
| Specific Gravity | Approx 1.05 @ 25°C |
| Viscosity | Approx 1000cps |
| Re-coat time | 12 hours @ 25°C 50%RH |
| Full Cure | 7 days @ 25°C 50%RH |

PACKAGING

Decra Glaze 100 is available in 10 and 20 litre kits as standard clear and white.

Colours are available with the addition of a 500ml colour pack at the ratio of one colour pack per 10 litres of clear or white: -

Colours to mix with white:-

- Neural Grey (N23)
- Light Grey (N35)
- Mid Grey (N52)
- Beige (x43)

Colours to mix with clear:-

- Black (N61)

COVERAGE RATES

Coverage is typically 6-8m² per litre per coat; however this may vary due to surface texture and porosity of the concrete.

A minimum of two coats should be applied.

SURFACE PREPARATION

All surfaces to be treated should be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by mechanical grinding or abrasive blast cleaning, high pressure water blasting, mechanical scrubbing or other suitable means.

All surfaces should be dry and clean from all dirt, grease, oil, or other surface contaminants.

Holes, non-structural cracks and other surface deformities should be repaired using *Polypoxy MH* in accordance with the technical data sheets.

New concrete floors should be at least 28 days old before apply *Decra Glaze 100*.

MIXING

Mixing should be by means of mechanical forced action mixer with a high shear stirrer.

1. Premix each individual component until homogenous.
2. If a colour is required add the required colour packs to part A until uniform prior to mixing with part B.
3. Combine the two components to a clean and dry mixing vessel at the ratio of two (2) parts by volume of Resin (Part A) and one (1) part by volume of hardener (Part B).
4. Mix thoroughly for a minimum of two minutes until fully mixed.
5. Avoid air trapping during mixing and leave material to stand for two to five minutes before application.
6. Only mix as much as is likely to be used within the pot life of the product.

PLACING

First Coat

Apply the first coat of *Decra Glaze 100* by brush or roller at a rate of 6 – 8m² per litre or at a heavier rate of 4-5m²/ litre if medium grip is to be used.

To provide a textured surface that will enhance traction, apply medium grit sand (e.g. River Sands 7C sand) to the first coat of *Decra Glaze 100* while still wet.

Allow the first coat to dry for a minimum of 12 hours. Remove excess grit with a broom or an industrial vacuum.

Second Coat

Apply the final coat of *Decra Glaze 100* in a uniform manner. The rate of application will vary to suit the required finish.

Allow the surface to cure for at least 24 hours before subjecting it to pedestrian traffic, and 72 hours before allowing light vehicular traffic over it.

Allow five to seven days before subjecting the surface to chemical attack or severe abrasion.

Polished Concrete

Apply two coats of *Decra Glaze 100 Clear* at right angles to the previous coats. Allow to dry for 12 hours between coats.

Notes:

Decra Glaze 100 should not be applied to surfaces subject to hydro static pressure or rising dampness.

Prior to using *Decra Glaze 100* the manufacturer should be consulted if the following conditions exist:

- The concrete substrate is porous or in poor condition
- The surface is subjected to unusually cold conditions (i.e. below 10⁰C)
- The surface is above ambient temperatures whilst in service (e.g: floors subjected to hot or boiling water)
- The floor is subjected to severe chemical attack.

It is advisable to take care when choosing colours or using the clear finish, as they may discolour or yellow when exposed to sunlight or strong UV rays. *Decra Glaze 100* is **not recommended** for exterior use.

CLEAN UP

Wash all equipment in an xylene-based solvent immediately following application and mixing. Hardened material can be removed mechanically.

PRECAUTIONS

- *Decra Glaze 100* should never be diluted
- Discard any material that has exceeded the pot life or working time of the product
- *Decra Glaze 100* is not recommended in areas subjected to hot chicken fat (Refer to manufacturer).

STORAGE

Decra Glaze 100 should be stored between 10°C and 30°C away from direct sunlight. The shelf life of the product is up to 12 months in the original unopened container. Partly used containers must be sealed tight when not in use.

SAFETY

Some individuals may experience a skin reaction to *Decra Glaze 100*. It is recommended that all personnel wear the relevant protective equipment. (Please refer to the manufacturers' MSDS sheet for more information).

FIRE

Decra Glaze 100 is non-flammable and poses no fire risk.

Please Note:- *The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.*

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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