

## DESCRIPTION

*Decra Glaze WB* is a high performance, **low VOC (Green Star IEQ-13 compliant)** two part water based epoxy coating system available in clear, white and selected colours.

*Decra Glaze WB* is designed for floor and wall applications where durability and chemical resistance is required.

## FEATURES AND BENEFITS

- Environmentally friendly.
- Water clean up.
- Convenient packaging.
- Non-flammable.
- Negligible odour and toxicity.
- Excellent adhesion to brick, masonry, concrete, compressed fibreboard, stone and timber.
- Resists mildew, mould and bacterial growth.
- Withstands stem and chemical cleaning.
- Long pot life and short touch dry time.
- Non taint (ideal for the food industry).

## RECOMMENDED SUBSTRATES

- As a low odour, hard wearing, chemically resistant finish coating for industrial, commercial and hygiene areas subjected to rigorous cleaning and high wear.
- As an abrasion and chemical resistant floor coating.
- As a high performance new construction or maintenance coating in the food industry – areas such as abattoirs, dairies, canneries, wineries.
- Can be used in wash rooms, shower cubicles, canteen areas, and food preparation areas.
- As a clear coating for polished concrete.
- For industrial use in facilities such as hospitals, schools, kitchens.

## PERFORMANCE PROPERTIES

Appearance	Uniform coating
Colour	Clear
Finish	Gloss
Mixing Ratio	1:1 by volume
Volume Solids	40%
Weight Solids	50%
Pot Life	2 hours @ 25°C
Specific Gravity	Approx 1.25 @ 25°C
Viscosity	Approx 2000cps
Re-coat time	6 hours @ 25°C 50%RH
Full Cure	7 days @ 25°C 50%RH

## PACKAGING

*Decra Glaze WB* is available in a convenient 10 or 20 litre pack that includes the mixing container. Other sizes are available on request.

Colours to mix with White Base (N14):

- Neutral Grey (N23)
- Light Grey (N35)
- Mid Grey (N52)
- Beige (X43)

Colours to mix with clear

- Black (N61)

## COVERAGE RATES

- Decorative ⇒ 5-7m<sup>2</sup> litre/coat
- Industrial ⇒ 2-4m<sup>2</sup>/litre/coat

## SURFACE PREPARATION

- All surfaces to be treated must be structurally sound and all previous coatings, curing compounds, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other means.
- All surfaces must be free from dirt, grease, oil or other surface contaminants.
- Holes, non-structural cracks and other surface deformities should be repaired

- Very porous or 'boney' concrete may require three coats of *Decra Glaze WB*. The first coat acting as a primer should be diluted 10 to 20% with water to allow penetration into the pores of the concrete.
- Ensure recoat times are adhered to between applications (refer to precautions). A minimum of six hours is required between coats, preferably overnight if temperature is below 20°C.

## MIXING

1. Mixing should be by means of a mechanical forced action mixer with a high shear stirrer
2. First, premix each individual component to form a homogeneous paste
3. Second, join the two components by equal volume into supplied mixing bucket, mixing thoroughly for a minimum of five minutes until a homogeneous blended paste is obtained
4. Avoid trapping air during mixing, this may cause later pin holing in the coating during application
5. Only mix as much as may be used within the pot life of the product

## PLACING

1. *Decra Glaze WB* is a minimum two-coat system.
2. Applying with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Successive coats should be applied at right angles to the previous coat.
3. It is recommended that as application progresses, the coating depth be tested at random points with a wet film gauge/comb.

## CLEAN UP

Wash all equipment in water or water/detergent immediately on completion of application and mixing.

*Decra Glaze WB* will cure under water; hence ensure dirty equipment is not left soaking in water.

## PRECAUTIONS

- *Decra Glaze WB* cure rates will be dramatically reduced if relative humidity is above 85%.
- In enclosed areas, such as water tanks or reservoirs, ventilation should be provided during curing cycle to enable adequate evaporation of the coating.
- Allow to cure for a minimum of 24 hours at 25°C/50% R.H. before applying adhesives, mortars, decorative coatings or other surface treatments.
- *Decra Glaze WB Clear* will tend to yellow when exposed to UV light.
- Discard any material that has exceeded the pot life or working time of the product.
- Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface.

## COLD SUBSTRATES AND COOL CLIMATE CONDITIONS

- *Decra Glaze WB* cure rates will be dramatically reduced if substrate surface or ambient temperature is below +10°C.
- If *Decra Glaze WB* is applied in cold or cooler climatic conditions, substrate temperatures can produce amine blush, resulting in an oily residue and/or areas of uncured tacky discoloration (usually off white or yellow).
- If amine blush or any other form of surface contamination or discoloration appears on the coating, *Decra Glaze WB* should be allowed to cure and then be washed with clean fresh water, Methylated Spirits or Xylene depending on the severity of the amine blush.

- Ensure thorough removal of contamination prior to the application of any further coating.
- Failure to perform this procedure will result in delamination between coatings.
- Follow the mixing instructions exactly. Mixing slightly longer (eg, an additional one minute) after homogeneous paste is obtained is better than under mixing.
- Allowing the product to stand for approximately five minutes after mixing will assist in accelerating the drying reaction.
- Never apply thin coats as the rapid moisture loss will arrest or slow the drying reaction.
- Thin coats can result in amine blush presence on the surface producing uncured or tacky areas.
- If possible store the *Decra Glaze WB* in a 20°C environment 24 hours prior to use.
- If possible warm the substrate surface area where *Decra Glaze WB* is to be applied by air blower or use a blower after application.
- Always provide adequate ventilation during the curing cycle.
- If swallowed do NOT induce vomiting – give glass of water.
- If in eyes, hold eyes open, flush with water for at least 15 minutes.
- If skin contact occurs wash skin thoroughly do not use solvents.
- Some individuals may experience a skin reaction to *Decra Glaze WB*. Those individuals should wear personal protection equipment.
- For further information on above products, please refer to the relevant Material Safety Data Sheet.

**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.

## STORAGE

Store in a clean and dry area in temperatures between 10°C and 30°C away from direct sunlight. Shelf life is 12 months in original unopened container. Partly used containers must be sealed tight when not in use.

## FIRE

The product is non-flammable and poses no fire risk.

## HEALTH & SAFETY

*Decra Glaze WB* is non-flammable and is classified non-hazardous under work safe guidelines. However, all manufactured products should be handled with care and due diligence.



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