

Duraseal WB

Technical Datasheet

Product Description:

Duraseal WB is a light stable, two component, water based polyurethane sealer and coating. Generally used as a final, weather resistant coating to seal resin based systems, quarry tiles, timber, asphalt, cement based screeds and concrete.

Product Coverage:

Duraseal WB is supplied in 2.5kg, 5kg units. Coverage rate is approximately 6-10Kg/m². On a sealed surface. coverage is dependant on surface profile, texture, porosity and substrate temperature.






Surface Preparation:

To be assured of maximum adhesion and best finish from Duraseal WB the correct surface preparation is essential. The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 75% RH.

The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/mm². The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings and surface treatments and contain a functioning damp proof membrane. If in doubt, apply a test area first.

Concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired.

Features and Benefits:

-  Water Based
-  Hygienic and Easy to Clean
-  Excellent bond strength
-  Low VOC
-  UV Stable

Curing Times:

Pot Life	40 Minutes
Pedestrian Traffic	12 Hours
Light Wheeled Traffic	24 Hours
Full Traffic	48 Hours
Full Cure	7 Days

Please note: At lower temperatures the above cure times will be increased.

Process for Application

Application:

Apply by brush or short piled roller at a nominal rate of 0.10 – 0.15Kg/m². After a minimum of 6 hours and before a maximum of 24 hours, if required apply further coats at the same rate. A test area should be considered to establish coverage rates. Coverage rates will vary over a textured surface.

Please Note: Care should be taken when applying the material that a wet edge is maintained and rolling onto partially cured material is avoided, finish in one direction (cross roll) to provide the best finish and minimise roller marks.

The ambient temperature of the works area should be a minimum of 15°C during the application and curing period, if not adhered to this can affect the colour and appearance of the system.

Materials and substrate temperature must be above 10°C.

Storage and Shelf Life:

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. Duraseal WB has a maximum of 12 months shelf life when stored in the original, unopened containers.

Precautions:

This product is manufactured from materials intended to achieve high levels of performance as safely as possible. Specific components require careful handling and suitable safety equipment, this information is given in the product safety datasheets. In all cases, spillages or skin contamination should be cleaned as soon as possible, by dry wiping of the affected area, and thorough washing with soap and water. For further information please consult Vuba.

Technical Data after 28 days at 20°C:

Bond Strength	>1.5 N/mm ² (Concrete Failure)
VOC	20g/l Based on a fully mixed unit
Chemical Resistance	Good general chemical resistance. For specific reagents contact Vuba.

Limitations:

- Product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
- Protect the installed floor from damp, condensation and water for at least 24 hours at 20°C.
- Ensure that the ambient temperature remains above 10°C for at least 24 hours after installation.
- The substrate and uncured floor must be kept at at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface.
- Depending on atmospheric conditions and on the thickness of material applied Duraseal WB could impart a semi opalescent finish.
- Although Duraseal WB is UV stable, If applied as a clear coat over non UV stable systems, the underlying system WILL still suffer from UV degradation.
- Duraseal WB is produced by a batch manufacturing process, despite controlled manufacturing procedures and tolerances, variations in colour can occur between different batches. Products from different batches should not be used in the same area or on surfaces close together.

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