

Construction

Chemical Supplies

Dairyguard WB

Epoxy Coating for Floors and Walls

Description

Dairyguard WB is a hard wearing, two part, water dispersed, coloured epoxy coating. Dairyguard WB can be used for treating new or old concrete floors and walls. The product combines hard wearing properties with chemical resistance, achieving an attractive, semi-gloss, coloured finish with good resistance to alkalis, acid fumes, mild acid solutions, animal and vegetable fats and occasional spillage of fuel oils such as diesel, motor oil and petrol. (For detailed chemical resistance please contact our technical department).

Applications

Dairyguard WB can be applied to any suitably prepared surface. Areas suitable for treating with Dairyguard WB include factory floors, food production areas, milking parlours, warehouses, pumping stations, plant rooms, car parks, workshops and dairies. Walls which have been previously painted with a good quality emulsion can be treated with Dairyguard WB, provided the existing paint is well bonded and is thoroughly degreased and abraded prior to application. This product can also be used for treating walls in areas where hygienic standards must be maintained. Anti slip finishes can be achieved by broadcasting dried silica sand into the second coat before it dries. A third coat of Dairyguard can be applied, if required.

Surface Preparation

The concrete or plaster should be cured for a minimum of 28 days @ 20°C. The surface should be dry and free from oil, grease and fat. All traces of loose paint, mortar droppings or other contaminants should be removed prior to applying Dairyguard. Ideally, floors should be prepared either by shotblasting, grinding or acid etching. Our technical department should be consulted if Dairyguard is to be used at temperatures below 10°C or to treat floors without a damp proof membrane.

Mixing

The resin and hardener are provided in two correctly measured components which combine to make a 5 or 10 kg unit. These two components should be mixed with a mechanical stirrer for 3 minutes and applied immediately.

NB: Do not store this material where it will be exposed to frost prior to mixing. Once mixed, the Dairyguard begins to set. Transfer the paint into roller trays straight away. The material can set and go hard quite quickly, if left in the paint pot. In warm conditions (over 20°C) it may be advisable to cool the material by placing it in a cold area for a couple of hours prior to use. Keep the material out of direct sunlight prior to and after mixing. Always ensure that adequate labour is available to apply the material within the designated pot life period.

Coverage

The coverage rate will depend on the porosity of the concrete. On normal dense power floated concrete, a coverage rate of 6-8 sq mt per kg can be achieved for each coat. Unsealed plastered walls may use slightly more material.

Technical Data

Rec. DFT:	50 - 70 microns per coat.
Standard Colours:	Light grey, dark grey, tile red, green, white and blue. Other colours are available on request.
Pot life:	Approx 40-50 minutes once transferred to roller trays @ 20°C.
Tack free @ 20° C:	8 hours (At 10°C or lower, the tack free time may be considerably longer)
Re-coat time:	Minimum 24 hours at 20°C. (Up to 48 hours at temperatures of 10°C or slightly lower.)
Packaging:	5kg and 10kg packs.
Mixing ratio:	As supplied
Application temperatures:	10° - 30°C. (If applying at lower or higher temperatures, please consult our technical department.)
Initial cure:	16 hours (depending on temperature).
Final cure:	7 days, for full chemical resistance.

Health and Safety

Dairyguard WB is manufactured from resins and hardeners which are normally safe to use. However, it is advisable to wear protective clothing when applying Dairyguard. If eye contact occurs, flush with water and seek medical help.

Construction Chemical Supplies endeavors to ensure that the above data and any further advice offered is correct. However, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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