

MasterCoat 333

Dust arresting and hardening treatment

Material Description

MasterCoat 333 is a deep penetrating silicate solution for sealing and dust-proofing powdery or friable concrete and concrete block surfaces.

Areas of Application

- Old concrete floors that are dusting
- Powdery or friable concrete that is dusting due to inadequate curing and/or low cement content and concrete block work with friable surfaces
- New concrete surfaces to seal against oil, grease and many chemical solutions. Not suitable for clay bricks or pavers

Characteristics & Benefits

- Dust arresting treatment – binds the surface of old or new concrete to reduce dusting.
- Prolongs the serviceable life of "problem" concrete floors before re-topping is required - deep penetrating liquid hardener.
- Increased durability and resistance to abrasion - protects concrete surfaces by sealing and hardening concrete surfaces.
- Dense surface - resists penetration of oil and grease. Protects concrete from the corrosive effects of smoke fumes, mild acids, salts and many other aggressive chemical solutions.
- Economical – large areas can be dustproofed with an application.

Application

Preparation

Correct surface preparation is essential to ensure a successful application. Surfaces must be dry and absorbent, free from oil, grease, paint, curing compounds and other contaminants. Caution: will etch glass

New concrete floors:

New concrete floors that require hardening, sealing or dust arresting treatment should be left until they are at least 28 days old then dilute **MasterCoat 333** 1:1 with potable water, and carefully apply by broom, mop, spray or squeegee until absorption ceases and all pores are filled. Do not allow **MasterCoat 333** to puddle. Liquid membrane curing compounds should NOT be used when using **MasterCoat 333**, use alternative methods such as polythene film or water curing.

Old concrete floors, soft stone, concrete blocks:

After surface preparation, apply 3 coats, at 24 hour intervals.

1st coat diluted 1:3 with potable water

2nd coat diluted 1:2 with potable water

3rd coat diluted 1:1 with potable water

The application of the first coat should continue until no more solution will penetrate the surface. Allow to dry for 24 hours. Repeat procedure for 2nd and 3rd coats.

During application do not allow puddles to form or a significant surface build will occur. A glaze or sheen should not form on the surface. **MasterCoat 333** is formulated to penetrate, not form a surface coating. 24 hours after the completion of the 3rd coat, wash and broom any excess surface material away.

NOTE: Surfaces treated with **MasterCoat 333** can exhibit a whitish, blotchy appearance. Where the treated surface has been allowed to become wet up to seven days after the final coat, it can become slippery. To overcome these surface conditions, neutralise by brooming a solution of 1 part hydrochloric acid diluted in 15 parts of water onto the floor. Hose down after 10 minutes and allow to dry.

The above procedure is also necessary before considering overcoating with paints, renders etc. A small test area is recommended prior to application of any subsequent surface finish.

Treated surfaces may be opened to traffic when the surface has dried completely and no tackiness remains, usually after 24 hours.

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Estimating Data

Coverage will vary greatly depending on the porosity and texture of the surface of the concrete and its age.

Old concrete can take double the quantity of **MasterCoat 333** compared to new concrete, as will a very rough profile at the surface. As a guide:

Concrete Finish Old/New Coverage

Wood float Old	6m ² /litre
Wood float New	10m ² /litre
Steel float Old	8m ² /litre
Steel float New	12m ² /litre

Packaging

MasterCoat 333 is packed in 20 litre containers and 200 litre drums.

Storage & Shelf Life

MasterCoat 333 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

Disclaimer

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

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