



The Chemical Company

MASTERSEAL[®] 333

Dust arresting and hardening treatment

DESCRIPTION

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

RECOMMENDED FOR

- old concrete floors that are soft and starting to dust due to inadequate curing and/or low cement content
- powdery or friable concrete and concrete block surfaces
- new concrete surfaces to seal against oil, grease and many chemical solutions

FEATURES AND BENEFITS

- **dust arresting treatment. Seals and dust proofs new or old concrete, floors, walls, concrete blocks or stonework. Deep penetrating liquid hardener. Prolongs the serviceable life of "problem" concrete floors before retopping is required**
- **protects concrete surfaces by sealing and hardening concrete surfaces, providing increased durability and resistance to abrasion**
- **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
- caution will etch glass
- not suitable for clay, bricks or pavers

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.

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 **MASTERSEAL 333** 1:1 with clean potable water, and carefully apply by broom, mop, spray or squeegee until absorption ceases and all pores are filled. Do not allow **MASTERSEAL 333** to puddle. Liquid membrane curing compounds should NOT be used when using **MASTERSEAL 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. **MASTERSEAL 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 **MASTERSEAL 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.

CLEANING

Clean equipment promptly after use with clean water.

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 **MASTERSEAL 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	0.17 litre/m ² (6m ² /litre)
Wood float	New	0.10 litre/m ² (10m ² /litre)
Steel float	Old	0.12 litre/m ² (8m ² /litre)
Steel float	New	0.08 litre/m ² (12m ² /litre)

PACKAGING

MASTERSEAL 333 is packed in 5 and 20 litres containers.

SHELF LIFE

MASTERSEAL 333 can be stored under cover in tightly closed original container for 24 months at moderate temperatures.



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PRECAUTIONS

- 1) **MASTERSEAL 333** is strongly alkaline. Avoid contact with skin and eyes. Wear protective goggles, impervious footwear and gloves when handling.
- 2) If poisoning occurs seek medical advice. If swallowed, do not induce vomiting - give a glass of water.

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

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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