

# Mastertop<sup>®</sup>20

## Concrete hardening and dust proofing liquid

### Description

Mastertop<sup>®</sup>20 is a colourless low viscosity liquid for application to concrete. It improves the general abrasion resistance and non dusting characteristics of the surface.

### Typical application

Surface enhancement and dust proofing concrete floors or cement-based wearing screeds and paving in:

- Factories
- Garages
- Industrial units
- Warehousing

### Advantages

- Permanent treatment
- New or old floors can be treated
- Simple and easy to use
- Used straight from the container
- Economical

### Action

By combining with the free lime produced during hydration of the cement, Mastertop<sup>®</sup>20 forms hard insoluble crystals thus binding the particles together and sealing the surface to form a hard non-dusting surface.

### Composition

Mastertop<sup>®</sup>20 is an aqueous solution of sodium silicate plus surface active chemicals.

### Packaging

Mastertop<sup>®</sup>20 is available in 25 and 200 litre containers.

### Application procedure

#### Preparation

Remove all oil, grease, etc. using a degreasing solution. Brush the floor with a hard broom or wire brush. Remove all dust and loose matter using a soft broom or industrial vacuum. If wetting of the floor has taken place during preparation it must be allowed to dry out before commencement of Mastertop<sup>®</sup>20 application.

#### Method of application

Stir the Mastertop<sup>®</sup>20 before use. Pour evenly, or use a plastic watering can to sprinkle the Mastertop<sup>®</sup>20 liquid over the surface of the concrete. Using a soft broom, sweep the Mastertop<sup>®</sup>20 backwards and forwards over the floor to ensure even penetration. Any Mastertop<sup>®</sup>20 not totally absorbed into the surface MUST be removed by mops or squeegees before drying.

24 hours after initial treatment, apply a second coat in a similar manner (some floors may require three coats). 24 hours after the final coat, wash down the floor using clean water. The floor may be walked on and used during the treatment period, but should not be subjected to water.

### Watchpoints

#### New concrete

New concrete should be allowed to cure fully (14 days minimum).

#### Dense floors

Hard compacted / power floated surfaces may not have sufficient porosity to allow absorption of the

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Mastertop<sup>®</sup>20. Prior to treatment test for absorption of water. If concrete is absorbent, test a small area with neat Mastertop<sup>®</sup>20 and diluted Mastertop<sup>®</sup>20 to see whether penetration is achieved. Then proceed accordingly. If in doubt, ask for technical assistance from your BASF Construction Chemicals SA representative.

## Porous floors

Mastertop<sup>®</sup>20 is not suitable for floors of high porosity. In such cases the use of Masterkure 181 should be considered.

## Other precautions

Take care to protect glass, paintwork, brickwork, furnishings, etc., from splashes. Do not use Mastertop<sup>®</sup>20 on brickwork or masonry. Note: Mastertop<sup>®</sup>20 will not work on weak, friable or dusting concrete.

## Coverage rate

As porosity and texture of concrete floors and cement pavings vary considerably, it is not possible to quote accurate coverage rates, but the following will provide a guide:

Tamped concrete	Approx 3.5-5m <sup>2</sup> /ltr	Two coats
Smooth concrete	Approx 5-7m <sup>2</sup> /ltr	Two coats
Dense power trowelled t	Approx 9-10m <sup>2</sup> /ltr	One coat

## Equipment care

All equipment should be washed in clean water immediately after use.

## Specification clause

### Mastertop<sup>®</sup>20

All concrete, granolithic and screed wearing surfaces shall receive two coats of Mastertop<sup>®</sup>20 colourless densifier and dustproofer as manufactured by BASF Construction Chemicals SA or similar approved, to the following specification:

**Composition:** A colourless, aqueous solution of sodium silicate plus surface active chemicals. The liquid shall be applied strictly in accordance with the manufacturer's recommendations.

## Storage

Store under cover, out of direct sunlight and protect from extremes of temperatures.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF Construction Chemicals SA's Technical Services Department.

## Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.



The Chemical Company

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## Note

### ***For professional use only***

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals SA representative. BASF Construction Chemicals SA reserves the right to have the true cause of any difficulty determined by accepted test methods

### **Quality and care**

All products originating from BASF Construction Chemicals' SA facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001:2000.

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Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF's technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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