



The Chemical Company

MASTERTOP[®] 20

Concrete hardening and dustproofing liquid

Description

MASTERTOP[®] 20 is a colourless low viscosity liquid for application to concrete. It hardens and dustproofs the surface.

Typical applications

Hardening and dustproofing concrete floors or cement-based wearing screeds and pavings in:

- Factories.
- Garages.
- Industrial units.

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[®] 20 forms hard insoluble crystals thus binding the particles together and sealing the surface to form a hard non-dusting surface.

Composition

MASTERTOP[®] 20 is an aqueous solution of sodium silicate plus surface active chemicals.

Packaging

MASTERTOP[®] 20 is available in 210 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[®] 20 application.

Method of application:

Stir the MASTERTOP[®] 20 before use. Pour evenly, or use a plastic watering can to sprinkle the MASTERTOP[®] 20 liquid over the surface of the concrete. Then sweep the MASTERTOP[®] 20 backwards and forwards over the floor to ensure even penetration. Any MASTERTOP[®] 20 not totally absorbed into the surface should 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.

Watchpoints

New concrete:

New concrete should be allowed to cure fully (21 days minimum).

Dense floors:

Hard compacted / power floated surfaces may not have sufficient porosity to allow absorption of the MASTERTOP[®] 20. Prior to treatment test for absorption of water. If concrete is absorbent, test a small area with neat MASTERTOP[®] 20 and diluted MASTERTOP[®] 20 to see whether penetration is achieved. Then proceed

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accordingly. If in doubt, ask for technical assistance from your BASF representative.

Porous floors:

MASTERTOP[®] 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[®] 20 on coloured concrete, brickwork or masonry.

Note: MASTERTOP[®] 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 ² / ltr } two
Smooth concrete:	Approx. 5-7m ² / ltr } coats
Dense Power trowelled	Approx. 9-10m ² / ltr } 1 coat

Equipment care

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

Specification clause**MASTERTOP[®] 20**

All concrete, granolithic and screed wearing surfaces shall receive two coats of MASTERTOP[®] 20 colourless hardener and dustproofer as

manufactured by BASF, 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 temperature.

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

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Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE 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, ISO 14001 and OHSAS 18001.

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

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