

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 accordingly. If in doubt, ask for technical assistance from your Degussa 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. 3.5-5m² / ltr }
two

Smooth concrete: Approx. 5-7m² / ltr }
coats

Dense Power trowelled Approx. 9-10m²
/ 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 Degussa, 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 Degussa's Technical Services Department.

Note

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

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

Quality

All products produced by Degussa certified manufacturing facilities, are produced to conform to systems designed to meet internationally recognised quality standards.

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