BASF
The Chemical Company

MasterProtect® 200 (formerly known as Masterseal 200H)

Flexible, decorative waterproof & protective coating for external Concrete & Masonry surfaces

DESCRIPTION

MasterProtect 200 is a single component, flexible, elastomeric coating based on acrylic co-polymers. The coating enables long term protection of concrete & masonry from aggressive atmospheric gases such as, carbon dioxide, sulphur dioxide and chloride ions & prevents water ingress.
It is available in standard pastel colours. It can be made available in custom colours subject to prior agreement.

RECOMMENDED USES

MasterProtect 200 is recommended for external protection of concrete to prevent ingress of atmospheric corrosive gases, wind driven rain, and water borne chlorides.
Applications include protection of:

- RCC Frame structures with masonry infill
- Residential & Commercial Buildings
- Multi storey car parks & podiums
- Overhead water tanks.
- Industrial buildings and power plants.

MasterProtect 200 is not recommended for application in areas likely to be submerged in water and on floors subjected to traffic.

FEATURES AND BENEFITS

- **Resists water ingress and permeable to water vapour** – suitable for splashes and wind driven rain
- **Resists dirt pick up, and growth of fungus** – suitable for the tropics
- **Flexible** – capable to bridge cracks
- **Good resistance to CO_2 & SO_2 diffusion** – suitable for urban environments.
- **UV resistance** – suitable for external applications.
- **Robust** - Washable coating with excellent durability

PROPERTIES

Aspect	: Viscous Dispersion
Density	: 1.3 ± 0.1 kg/litre
Volume Solids	: 41%
Application temperature:	: 5°C to 50°C
DFT at 0.5 Kg/m²	: 150µ
Touch dry	: 1 Hour at 25°C
Recoatable	: 4 Hours at 25°C
Full cure	: 7 Days
Elongation, ASTM D 638	: >200%
Adhesive bond strength to concrete (ASTM D4541)	: > 1.0 MPa

APPLICATION

New masonry and concrete should be at least 14 days old before treatment and with moisture level in substrate below 7% by volume.

Surface preparation
Correct substrate preparation is critical for optimum performance. The surface to be treated must be thoroughly cleaned. Remove all traces of formwork, release agent, grease, efflorescence, laitance, algae or other contaminant that may prevent proper adhesion. Remove organic materials by scraping, brushing or high pressure water cleaning. Spores must be treated with a suitable fungicide sterilizing agent and carefully rinsed.

On non-decorated concrete surface containing blow holes and/or minor irregularities, and on some rough rendered or dashed surface, it is advantageous to use **MasterEmaco N303** to close the surface, thus preventing the possibility of pinholes occurring. Cracks wider then hairline should be patched using **MasterFlex 1500** or sealed using acrylic caulk before treatment.

Priming
Prime the surface using **Masterseal 399** or **MasterKure 181** as primer.
Allow the primer to dry for 2-3hr (at temp. >25°C) before applying **MasterProtect 200**. At lower temperatures, allow a longer time to dry.

Note: If MASTERKURE 181 is used as the curing membrane, priming may not be required. Contact BASF for advice.

Mixing
MasterProtect 200 is ready for use. Stir (do not dilute) to obtain a uniform mixture before use.
Application
Apply **MasterProtect 200** in one coat using airless spray to achieve a wet film thickness of 370µ or in

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two coats each of 185µ WFT using roller or brush, with the second coat applied 2 – 4 hrs after the first and at right angle to it. The prepared substrate must be air-dry when the first coat is applied.

Where a textured finish is required use a medium nap roller to apply the product and over roll with a textured roller to give the desired finish in 0ne direction only.

Only apply **MasterProtect 200** when the ambient temperature and substrate temperature are at least 5°C, and will not fall below 5°C within 24 hours. To avoid condensation which influences the adhesion negatively, surface temperature during application should be at least 3°C higher than the dew point.

Curing
MasterProtect 200 is self-curing.

Equipment
Airless sprayer, medium nap roller or brush

ESTIMATING DATA

The coverage rate is strongly influenced by the roughness and porosity of the substrate.
Minimum recommended rate of application for **MasterProtect 200** is 0.25 Kg/m^2/coat.

Each pack of 25kg is sufficient for an area of 50 m^2 to achieve the recommended final dry film thickness of 150µ.

PACKAGING

MasterProtect 200 is supplied in 25kg containers

SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above

PRECAUTIONS

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 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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