Promat

Promat® TOPCOAT 200

Acrylic Polymer Coating

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Promat® TOPCOAT 200 is a single pack, water based acrylic polymer for use as a water vapour permeable topcoat with excellent adhesion. It may be applied by spray, roller or brush.

Promat® TOPCOAT 200 is applied over vermiculite and Portland cement based fire resistant coatings that protect steel and concrete substrates against ingress from salt spray, washdown water, chemical spills, rainfall and sprinkler deluge systems.

Promat® TOPCOAT 200 may also be used on masonry, brickwork and blockwork, whether dry or damp.

TECHNICAL DATA

Colour		Matte white or grey
Thickness per coat	µm WFT µm DFT	150-200 68-90
Practical coverage	EN 13501	Dependent on surface texture, substrate porosity, application method and technique
Theoretical coverage 150 µm WFT (wet film thickness) 200 µm WFT (wet film thickness)	 m^2/litre m^2/litre	 6.7 5.0
Number of coats		Normally two coats. It is recommended that the first coat is a different colour from the second coat for identification purposes
Cure		By air drying
Drying time Touch dry, 20 °C – 50% RH Fully dry, 20 °C – 50% RH	 hours hours	 0.5-1 2-6 Varies with ambient conditions, but high humidity, low temperature and low air chainge will hinder cure significantly
Water vapour transmission 150 µm – 24 h (tested to BS 3177:1959)	g/m^2	25
Surface spread of flame		Class 1 to BS 476: Part 7 on non-combustible substrates
Volume of solids	%	45
Weigth	kg/litre	1.4
Packaging		25 kg metal pails (17 litres)
Storage		Protect from frost, excessive heat (above 45 °C) and strong radiant sunlight
Shelf life		Maximum 12 months in originial sealed
Environmental		Do not discharge into drains, watercourses or soil

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Properties & advantages

- → Promat® TOPCOAT 200 does not blister when used on steel and concrete substrates because of its water vapour permeability.
- → Flexible, flame retardant, mould resistant, and helps reduce the carbonation rate of cement based products.

Preparation

Typical substrate

Concrete, sand-cement renders, masonry and Promat cementitious fire protective coatings.

Substrate preparation

Surfaces to be coated must be free from oil, grease, visible moisture (including condensation), dirt, dust and mould. Promat cementitious coatings should be surface dry before the application of Promat® TOPCOAT 200.

Application

Methods

Mix Promat FENDOLITE®-MII with potable water in a Stir Promat® TOPCOAT 200 before use (do not thin) and apply with an industrial type airless spray or lambswool roller. The latter is not recommended on heavily textured surfaces.
Promat® TOPCOAT 200 may also be applied with a wide nylon or bristle brush in small (maximum 1m2) areas only.

Limitations

Promat® TOPCOAT 200 may be applied when the substrate and air temperatures are at least 5 °C and rising. Maximum air and substrate temperature is 40 °C. Substratetemperature should be at least 2 °C above dew point temperature.
Protect from rain, hail etc until dry.

Health and safety

Adequate ventilation must be provided during use. Avoid contact with the skin and eyes by using eye protection, gloves, barrier cream and a face mask.

If the product comes into contact with the skin, was immediately with soap and water. If the eyes are affected, flush with plent of water and seek medical attention immediately.

A safety data sheet is available from Promat upon request. Promat activities are conducted with due regard to all statutory requirements with appropriate safeguards against exposing employees and the public to health and safety risks.

All specified technical data are mean values from the production which are subject to the usual fluctuations and do not represent guaranteed properties in the sense of a guarantee. All information corresponds to the current state of the art and has been presented and described to the best of our knowledge. Changes due to new findings are possible, errors and misprints are not excluded. With regard to any liability, our delivery and payment terms apply exclusively. Request safety datasheet. With the publication of this edition, all previously published datasheets are invalid. © Copyright Etex NV, Brussels, Belgium. All rights reserved. **2021-05**

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