

# Promat

## Promat® TOPCOAT 200

Acrylic Polymer Coating



### Acrylic Polymer Coating

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

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

### 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

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 1m<sup>2</sup>) 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. Substrate temperature 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, wash immediately with soap and water. If the eyes are affected, flush with plenty 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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