Promat

Promat FENDOLITE®-TG

Integrated Fire Protective Coating System

For use with Promat FENDOLITE®-MII Vermiculite Cement Based Wet Mix Spray

PROPERTIES AND PERFORMANCES

Colour and finish	Off-white. Strictly trowel finished only
Minimum practical thickness	8mm when unreinforced, 13mm when reinforced
Number of coats	One or more as required
Cure	By hydraulic set
Flash point	None
Density (Nominal)	Typical 675kg/m3 in accordance with BS 8202: Part 1: 1987
Thermal conductivity	0.20W/mK at 20°C
pH value	12.0 - 12.5

Quality assurance

Promat products are manufactured to stringent quality control systems to assure that our customers receive materials made to the highest standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures.

Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.

Introduction

Promat FENDOLITE®-TG is a trowel applied, factory controlled premix based on vermiculite and Portland cement. It is used with potable water added on site.

Promat FENDOLITE®-TG will not fail suddenly after the prescribed fire resistance period but will continue to offer a predictable level of fire protection for the duration of the fire.

Promat FENDOLITE®-TG is ideal for application by trowel in interior and fully exposed environments.

Advantages

- → Structures protected with Promat FENDOLITE®-TG can provide fire resistance for up to 240 minutes.
- → Promat FENDOLITE®-TG is applied by plastering techniques enabling repairs to be completed without the need to introduce spray plant onto the site.
- → The effectiveness of Promat FENDOLITE®-TG will not be impaired or destroyed by the effects of water impingement/ thermal shock from fire hoses or sprinkler systems. It will remain in place and not be affected by wind turbulence.
- → Resistant to impact damage thus able to meet the specification within environments where durability is essential.
- → May be levelled to present a trowelled finish.
- → Can be easily removed and reinstated locally when additional fixings are required.

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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.

Preparation

Typical substrates

Existing Promat FENDOLITE®-MII, concrete, unprimed and primed steel.
Concrete curing agents should not be used.

Substrate preparation

The substrate must be clean, dry and free from visible moisture (including condensation), concrete laitance, formwork release oils, loose millscale, loose rust and any other condition preventing good adhesion.
Any other priming systems must be compatible with an alkaline pH of 12.0-12.5.

Application

Limitations

Promat FENDOLITE®-TG may be applied when the substrate and air temperatures are at least 2°C and rising, but should not be applied if the substrate or air temperatures are less than 4°C and falling. Maximum substrate and air temperature is 45°C.

Substrate temperature should be at least 2°C above dew point temperature.

Top coating

Under certain circumstances Promat TOPCOAT® 200 and/or other nominated top coatings may be used as protection from frequent wash down, long term chemical spills, or for improved resistance to fungal, algal and bacterial growth.

Packaging

20 kg bags.

Storage

Off the ground and kept dry until ready for use.

Protect from frost, excessive heat (above 45°C) and strong radiant sunlight.

Shelf life

Max. 18 months.

Environmental

- → Do not discharge into drains, watercourses or soil.
- → Not readily biodegradable.
- → Not expected to bioaccumulate.
- → Not expected to be toxic to aquatic life except at high concentrations.

Etex Industry c/o Microtherm N.V., Industriepark-Noord 1, 9100 Sint-Niklaas, Belgium | T +32 (0)3 760 19 80 | F +32 (0)3 760 19 99
industry@promat.com | www.promat.com/industry