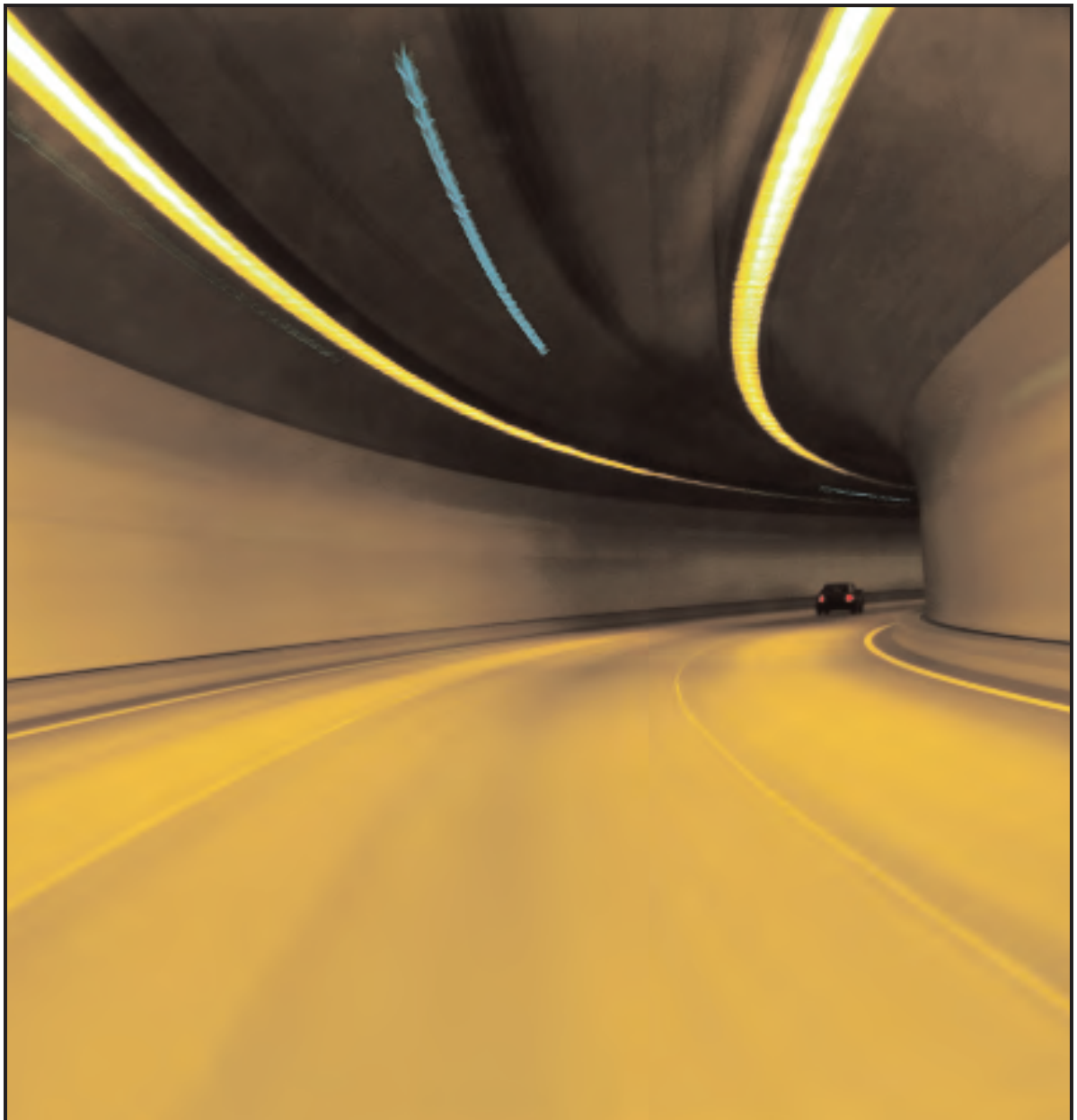




# PROMASPRAY® TG

*Vermiculite Cement Based Wet Mix Trowelled Coating*

tunnel applications



*For use with PROMASPRAY® FMII Vermiculite Cement Based Wet Mix Spray*

[www.promat-spray.com](http://www.promat-spray.com)

## PROMASPRAY® TG

### Vermiculite Cement Based Wet Mix Trowelled Coating

#### INTRODUCTION

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

PROMASPRAY® 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.

PROMASPRAY® TG is ideal for application by trowel in interior and fully exposed environments.

Properties and performance	
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	Typical 675kg/m <sup>3</sup> in accordance with BS 8202: Part 1: 1987
Thermal conductivity	0.20W/mK at 20°C
pH value	12.0 - 12.5

#### ADVANTAGES

- Structures protected with PROMASPRAY® TG can provide fire resistance for up to 240 minutes.
- PROMASPRAY® TG is applied by plastering techniques enabling repairs to be completed without the need to introduce spray plant onto the site.
- The effectiveness of PROMASPRAY® 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, therefore 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.

#### QUALITY ASSURANCE

Promat operates a quality system in accordance with BS EN ISO 9001: 2008 and has received full accreditation to these 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.



# PROMASPRAY® TG

## Vermiculite Cement Based Wet Mix Trowelled Coating

Preparation	
Typical substrates	Existing PROMASPRAY® TG, 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	PROMASPRAY® 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

### PACKAGING

20kg 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

Maximum 12 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.

### 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.

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