KEIM GRANITAL FRG

1. Description

Keim Granital FRG Fire Performance Coating

2. Material Type

A water based thin film intumescent coating.

3. Field Of Application

To be used in conjunction with our Keim Fire Protective products in accordance with relevant specifications.

4. Product Information

% Solids by volume**:** 70 ± 4% (ASTDM-D2697-86)

Flash point:	Above 55°C	
VOC:	None	
Typical Thickness:	For details of typical thickness for Keim Granital FRG refer to individual specification.	
Colour:	White 9872	
Av. Drying times:	At 15°C	At 23°C
To touch:	3 hours	1½ hours
To re-coat:	6 hours	4 hours
To handle:	This will depend on the total thickness of Keim Granital FRG to be applied.	

These figures are given as a guide only. Factors such as air movement and humidity must also be considered. Film thickness will vary depending on actual use and specification.

Recommended Thinners: Water

5. Package:

Pack size:	20 litre units
Weight:	1.40 kg/litre
Shelf Life:	Minimum 6 months, protect from frost

6. Application:

Substrate Preparation:

Ensure surfaces to be coated are sound, dry and free from all visible traces of surface contaminants. Gloss surfaces should be abraded to provide a satisfactory key.

Recommended Topcoats:

For details of suitable topcoats consult relevant specification.

7. Application Equipment

Recommended application methods: Roller

The material is suitable for roller application but due to the nature of the material a ribbed appearance may result. Application of more than one coat may be necessary to give equivalent dry film thickness.

8. Application conditions and over-coating

In conditions of high relative humidity, i.e. above 80% good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point.

At application temperatures below 10°C, drying times will be significantly extended.

At relative humidity in excess of 65%, drying will be significantly extended.

A minimum temperature of 5°C is required to ensure proper film formation.

Relative humidity should not exceed 80% to ensure proper film formation.

No more than 4 coats by roller in any 24 hours period.

Extended over-coating times may be required at low temperatures and/or high film thicknesses, otherwise cracking may occur. If the maximum film thickness per coat is exceeded or high film thicknesses are over-coated prematurely, cracking may occur.

9. Additional Notes

In common with other water-based coatings, the drying of this material is retarded by high humidity conditions. Lack of air movement also slows down the drying process, and under such conditions it is advisable to introduce some method of circulating air over the coated surface in order to speed up the drying. A ventilated air speed of 2 metres per second is recommended.

10. Health and Safety

Consult Product Health and Safety Date Sheet for information on safe handling and application of this product.

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