



FIRETEX® M71V2

SOLVENT BASED TOPCOAT FOR FIRE PROTECTION COATINGS

Revised 12/2024 Issue 6

PRODUCT DESCRIPTION

FIRETEX M71V2 is a Sheen decorative topcoat for the FIRETEX range of single pack intumescent coatings and also provides protection when used in internal semi-controlled conditions where condensation may occur (Category C2 as defined in ISO 12944-2).

RECOMMENDED USE

As a decorative topcoat for the FIRETEX range of single pack intumescent coatings but also to provide protection when used in an internal semi-controlled environment. (Category C2 as defined in ISO 12944-2).

After appropriate drying, can be exposed to weather provided that the specific use or storage does not lead to ponding water due to rainfall, condensation or other site / transportation / storage circumstances.

This product may also be used as a decorative finish for degreased internal galvanised decking (C1 environment only); to match the finish of surrounding PFP coated and sealed steelwork.

Consult Sherwin-Williams document TAD 0041 for further details.

PRODUCT TECHNICAL DATA

Volume Solids:	44% ± 2% (ASTM-D2697-91)
Weight Solids:	62% ± 2%
VOC:	472 g/l determined practically in accordance with UK Regulations PG6/23. 499 g/l calculated from formulation to satisfy EC Solvent Emissions Directive. 400 g/kg content by weight from formulation to satisfy EC Solvent Emissions Directive.
Colours:	Full Range
Flash Point:	25°C
Cleaner/Thinner:	No. 2
Pack Size:	Single component material: 20 litre (25 kg) and 5 litre (6.25 kg) units Weight will vary with colours and density.
Density:	1.250 kg/l (may vary with colours).
Shelf Life:	2 years from date of manufacture, stored in originally sealed containers in a cool and dry environment. "Use By" date where specified.

Recommended Application Methods:

Airless Spray, Conventional Spray, Brush, Roller

Typical Thickness:

Recommended Spreading Rate Per Coat

	Airless Spray	Conventional Spray	Brush	Roller
Dry	50 µm	50 µm	38 µm	38 µm
Wet	114 µm	114 µm	85 µm	85 µm
Theoretical Consumption*	0.142 kg/m ² 0.114 l/m ²	0.142 kg/m ² 0.114 l/m ²	0.107 kg/m ² 0.085 l/m ²	0.107 kg/m ² 0.085 l/m ²
Theoretical Coverage*	7.04 m ² /kg 8.80 m ² /l	7.04 m ² /kg 8.80 m ² /l	9.39 m ² /kg 11.73 m ² /l	9.39 m ² /kg 11.73 m ² /l

Maximum sag tolerance typically 341µm wet (150µm dry) by airless spray

* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

AVERAGE DRYING TIMES

	+ 15°C	+ 23°C	+ 35°C
Dry to touch	1 hour	45 minutes	30 minutes
Dry to handle	This will depend on total thickness of intumescent overcoated		
Dry to recoat	4 hours	4 hours	4 hours

These figures are given as a guide only. Factors such as air movement and humidity must also be considered.

APPROVALS & ENDORSEMENTS

Formulated to meet the requirements of EC directive 2004/42/CE

SURFACE PREPARATION

Ensure surfaces to be coated are clean, dry and free from all surface contamination.

APPLICATION CONDITIONS

In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C.



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APPLICATION EQUIPMENT

The airless spray details given are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results.

Airless Spray

Tip Size: 0.33 mm (13 thou) depending on application requirements.

Fan Angle: 40 °

Operating Pressure: 155kg/cm² (2200 psi)

Conventional Spray:

Tip Size: 1.27 mm (50 thou) depending on application requirements

Atomising Pressure: 3.5kg/cm² (50 psi)

Fluid Pressure: 1.0kg/cm² (50 psi)

The details of atomising pressure, fluid pressure and tip size are given as a guide. It may be found that slight variations of pressure will provide optimum atomisation in some circumstances according to the set up in use. Atomising air pressure depends on the air cap in use and the fluid pressure depends on the length of line and direction of feed i.e. horizontal or vertical.

Brush / Roller:

The material is suitable for brush/Roller application and more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

ADDITIONAL NOTES

FIRETEX M71V2 must always be applied to a minimum dry film thickness of 50 microns to provide adequate protection to FIRETEX range of single pack intumescent coatings in an internally semi-controlled environment where condensation may occur (Category C2 as defined in ISO 12944-2).

FIRETEX M71V2 is recommended for future re-decoration and maintenance. The use of any other coatings may reduce the systems fire resistance.

Certain shades, eg yellows, oranges and reds, may require additional coats to achieve full opacity.

Numerical values quoted for physical data may vary slightly from batch to batch.

Application at ambient air temperatures below 5°C is not recommended. For further technical enquiries please consult Sherwin-Williams.

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HEALTH & SAFETY

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

WARRANTY

Whilst all statements made about our products (whether in this data sheet or otherwise) are correct and accurate to the best of our knowledge, we have no control over the quality or the condition of the substrate, the application conditions or the many other factors affecting your use and application of our product.

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