

SC605

Intumescent Basecoat - Solvent-Based

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Description

SC605 is a single pack, solvent-based acrylic thin film intumescent basecoat for the protection of structural steelwork, optimised to provide 60 minutes fire resistance.



Features and Benefits

- Competitive loadings.
- Compatible with various primers and topcoats.
- Easy to apply.
- Off-site (in-shop) grade, SC604, also available.
- Optifire®+ unique traceability identifier.
- CE ETA 21/0683.

Usage Purpose

SC605 is optimised to provide 60 minutes fire resistance to 'I' section beams and columns, hollow columns and beams, as well as cellular beams, concrete filled hollows and solid rods. Limited 90 minute protection is also available. SC605 can be used on steel, cast iron and galvanised steel. A faster drying version suited to off-site or in-shop application is also available, as Nullifire SC604.

Packaging

25 kg drum

Storage

Store in secure, dry warehouse conditions between +0°C and +35°C

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Technical Characteristics

Specific Gravity	1.36 ±0.02 g/cm ³	
Thickness	Recommended thickness per coat	DFT: 720 microns - maximum WFT: 1000 microns - maximum Higher thickness's may be possible, however they will impact the drying times. The thickness's above are recommended for optimum film build and drying balance.
Application Temperature	Application Temperature	+5°C to +35°C, relative humidity <85% and a steel surface temperature at least 3°C above the dew point.
Service Temperature		+5°C to +35°C - at temperatures above 35°C, thermoplasticity may be observed

Substrate Preparation

SC605 should only be used on substrates which have had all mill-scale removed and blasted to an average blast profile of 75 microns, with a minimum of 40 microns, and a cleanliness of Sa 2.5 must be achieved before application of recommended primer. All surfaces must be clean, dry and free from contamination before coating application.

Necessary Tools

Airless spray equipment is recommended and should match these guidelines:

Operating Pressure: Min 3100psi (218 kg/cm²)

Tip Size: 19 – 23 thou Fan Angle: 20° – 40°

Hose Diameter: 10 mm (3/8") (internal diameter)

Hose Length: Max. 30 metres.

Inline filters should not normally be used

Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Consumption Text

1,329 g/m² @ 720 µm DFT

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of

Technical Data Sheet

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continuous development and improvement.

It is a requirement of the installer to ensure suitability and compatibility of all elements before installation commences and that compliance can be achieved as required.

Health And Safety Precautions

Safety data sheet must be read and understood before use. Flammable - keep away from open flames and other ignition sources.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Certification

