

CI/SfB	Yu4	(K2)
CAW G12		
Uniclass JM61:L68116		

Product Information

Description

SC605 is a single pack, solvent-based acrylic thin film intumescent basecoat for the protection of structural steelwork.

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 is also available. Off-site, fast dry version, SC604, is also available.

Colour

Off-white

Packaging

25 kg drum

Availability

Available direct from Nullifire (see back of leaflet for address and telephone details).

Usage Guidelines

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.

Application Conditions

- Ensure adequate through ventilation during application
- Application temperature range 5°C to +35°C, relative humidity <85% and a steel surface temperature at least 3°C above the dew point.

Necessary Tools

Airless spray equipment is recommended and should match these guidelines:

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

Tip Size: 19 – 25 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

Substrate Preparation

SC605 should only be applied onto a clean, undamaged, dry, blasted Sa 2.5 and primed steel surface.

- For recommended primers and topcoats, please consult the Nullifire Approved Primer or Approved Topcoat list.
- Nullifire has carried out compatibility testing on a wide range of primers and topcoats. Call 020 3917 1776 for confirmation of compatibility with SC605.
- The primer must be applied in accordance with the manufacturer's instructions.

Pre-Treatment of Substrates

- All mill-scale must be removed and a blast profile of at least 50 microns and a cleanliness of Sa 2.5 must be achieved before application of recommended primer.

Cleaning

Fresh paint can be removed using xylene (FC150). Dried on paint may be removed using a paint scraper. Spray equipment must only be cleaned using xylene (FC150).

Health & Safety Precautions

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

Nullifire
Smart Protection

SC605

Intumescent
Steel Coating
Solvent Based



optifire+



Key Benefits Summary

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



SC605

Intumescent Steel Coating

Nullifire
Smart Protection

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 01322 551010.

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 continuous development and improvement.

Technical Data

Property	Result
Composition	A solvent based formulation
Certification	EN 13381-6 Protection of Concrete Filled Hollow Sections EN 13381-8 Protection of Structural Steel EN 13381-9 Protection of Cellular Beams EN 13381-10 Protection of Solid Steel Rods
Building Classification	C1, C2, C3 and C4 environments only If SC605 is to be exposed externally, it should be topcoated as soon as possible, and ensure that no standing or pooling water is allowed to accumulate. For full details, please consult Nullifire Specification Guidelines.
Specific Gravity	1.33 ±0.02
Volume Solids	72% ±3%
VOC	327 g/litre
Consumption	923 g/m ² @ 500 µm DFT
Average Drying Times (at 20°C)	To Touch – 60 minutes To Recoat – 6 hours To Handle – variable depending on conditions These figures are given as guidance only. Other factors such as air movement, temperature and coating thickness must be considered.
Application Temperature	+5°C to +35°C
Storage	Store in secure, dry warehouse conditions between +0°C and +35°C
Shelf Life	12 months when stored as recommended in original unopened container

SC604

Intumescent Steel Coating

Solvent Based, Fast Dry



For improved productivity, an alternative off-site, fast dry version is available.

Technical Data

Property	Result
VOC	317 g/litre
Average Drying Times (at 20°C)	To Touch – 30 minutes To Recoat – 4 hours To Handle – variable depending on conditions These figures are given as guidance only. Other factors such as air movement, temperature and coating thickness must be considered.