

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

Product Information

Description

SC602 is a single pack acrylic thin film intumescent basecoat for the protection of internal and semi exposed structural steelwork.

Usage / Purpose

SC602 is optimised to provide 60 minutes fire resistance to 'I' section beams and columns, hollow columns and beams, as well as cellular beams. 90 minute and limited 120 minute protection is also available. Off-site version, SC601, 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 3100psi (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

SC602 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 SC602.
- 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.

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.

Nullifire
Smart Protection

SC602

Intumescent Base Coat

On-Site



Key Benefits Summary

- Competitive loadings
- Compatible with various primers and topcoats
- Easy to apply
- Off-site (in-shop) grade, SC601, also available

 **certifire**
APPROVAL N° CF5767



SC602

Intumescent Base Coat

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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	Certifire CF5767, BS476 Part 20/21, Cellular Beams YB5 C1, C2, C3 and C4 environments only
Building Classification	SC602 may be used on exterior exposed steel without topcoat for a maximum of 6 months provided that no standing or pooling water is allowed to accumulate. For full details, please consult Nullifire Specification Guidelines.
Specific Gravity	1.36 ±0.02
Volume Solids	72% ±3%
VOC	317 g/litre
Consumption	916 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.
Service Temperature	+5°C to +35°C
Application Temperature	+5°C to +35°C - at temperatures above 35°C, thermoplasticity may be observed
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

SC601

Intumescent Base Coat

Off-Site



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

Technical Data

Property	Result
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.