SC901 & SC902 offer all the performance benefits of thick film 90 and 120 minute water-based

intumescent coatings but with the unique benefit of rapid cure technology. Providing significant positive impact on the construction schedule, they set new standards in: tolerance of application conditions, resistance to storage/construction phase conditions and ease of repair.

Prim∈r

To protect the steel against corrosion and prepare the surface, a primer coat is typically applied; however, SC900 coatings may be applied directly to correctly prepared steel and do not need

a primer coat. They will not cause any rusting or allow 'rust spots' or 'rust bloom' to show through the coating.

Basecoat

The SC901 or SC902 intumescent coating is applied to a measured thickness to provide the specified level of fire protection.

Top Seal

A decorative finish to seal in the basecoat and provide an attractive, high quality appearance.

SPECIALIST EXPERTISE YOU CAN TRUST

Nullifire has pioneered the use of intumescent coatings for the decorative fire protection of structural steel for 30+ years. Totally focused on fire protection, the company has worked with the world's leading architects providing fire protection solutions for many of the landmark buildings of our time.

Nullifre offers high performance fire protective solutions for:

Steelwork

Decorative, durable off-site and on-site systems for interior and exterior steelwork

Timb∈r

Decorative system in matt or satin clear finish.

Construction Joints

Fire and smoke seals for joints, gaps and profiled metal sheeting

Service Penetrations

Lightweight, flexible barriers to maintain compartmentation

Call Nullifire Technical Services

Department for full details

Tel: 024 7685 5000 Fax: 024 7646 9547

Email: protect@nullifire.com





Visit www.nullifire.com to see the SC900 series video.

Also available on YouTube

SC900 SERIES

FAST TRACK
INTUMESCENT COATINGS
FOR SO & IZO MINISTE

FOR 90 & I20 MINUTE FIRE PROTECTION OF STRUCTURAL STEEL

Tremco illbruck Coatings Limited

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e-mail protect@nullifire.com

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A brand of TREMCO

Nullifir∈

An **RPM** Company



All information in this brochure is provided in good faith by Tremco illbruck and is believed correct at the time of printing. Tremco illbruck reserve the right to change product specifications in line with their policy of continuing product development



Common Arrangement G12 Uniclass JM61 L68116 July 2013

SC900 SERIES FOR 90 & IZO MINUTE

COMPREHENSIVE DESIGN AND CONTRACT SUPPORT

Fire protection is an important decision and we are on hand to help you make the best choices you can. Nullifre operates a unique team of fully trained technical service personnel who support architects, engineers and contractors through every stage of a project, from product selection and specification to installation and verification.

Help for you:

- Project specifications bespoke and NBS clauses
- Fully trained specialist applicators
- Loading tables
- Technical data sheets
- Materials estimating programme
- Application and product trainingOn-site or off-site inspection to ensure correct product application†

For information or assistance, contact Nullifire today:

Tel: 024 7685 5000 Fax: 024 7646 9547

Email: protect@nullifire.com

TNOTE: Applicable to areas accessible for inspection only. Those parts of the structure to which access cannot be gained, for example areas made inaccessible by subsequent construction work, are outside the scope of Nullifire inspection and verification.

SPECIALIST CONTRACTORS

Design and material specification are key drivers of the performance of any fire protection system; however, the quality and experience of the installer is an essential element in ensuring a successful project. All operatives installing Nullifire SC901 and SC902 receive individual application tuition from our technical service instructors. For a full list of specialist contractors please contact us.











FIRE PROTECTION

OF STRUCTURAL STEEL

Nullifire SC900 series is an innovative patented technology offering ground breaking performance for the protection of internal, semi-exposed and external steelwork - providing benefits of off-site application on site.

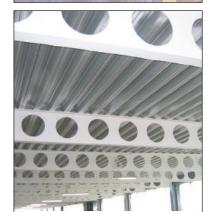


FAST TRACK INTUMESCENT COATINGS

FOR 90 & I20 MINUTE **FIRE PROTECTION** OF STRUCTURAL STEEL







SC90

- Maximise factory productivity &
- Build to maximum 2 hour protection in one coat
- Touch dry in 1 hour, transportable after 8 hours

Rapid Factory Throughput

One day application and rapid cure allows speedy throughout in the production facility. Fast cure and early durability facilitates quicker despatch of steelwork. Production facilities can be cleared rapidly to allow progress on further steel sections.

Maximise Productive Spraying Time

SC901 technology is more tolerant of ambient conditions than conventional thin film systems. It will still cure well in high humidity and in low temperatures, helping to maximise factory productivity

The coating can be applied directly onto SA2.5 blasted steel, without the need of a primer coat, Where epoxy primers are used, Nullifire Technical Approval should

Fast Track Application – in a Single Coat

The unique high build nature of SC901 allows the application of sufficient paint to provide 2 hour fire protection in a single coat. No need for the build-up of multiple thin coats with delays for curing between individual layers.

Versatile Coating Finish

High speed application gives a lightly textured finish. A smooth finish, if required, can be achieved by adjusting the amount of thinner content.

Early Durability

SC901 is touch dry within 1 hour and fully cured within 2 hours. With best in class early durability the coating is weather resistant in 1 hour. Good resistance to running and pooling water avoids damage to the freshly completed coating eliminating costly re-coating. Resists weathering for 6 months without top seal. The application of an approved top seal completes long term durability.

Handling and moving steelwork can lead to damage in the production facility. Minor repairs are quickly effected. If required, the high build nature of the product allows the application of repair material in one layer – avoiding the build-up and cure of multiple layers of traditional thin film systems.

Traditional On-Sit∈





Day 1

















Day 3







Day 4





Day 5







Day 6

Day 7

SC902 application method

120 MINUTE FULL FIRE PROTECTION IN 24 HOURS

Day 1

WFT 1 2 mm





Day 2

Day 2

With SC902 you SAVE 60%+ on application and drying time, **ELIMINATE DELAYS** on site and **REDUCE COST** of application.

SC90I SC902 **Fast Track Off-site Intumescent Coating** Fast Track On-site Intumescent Coating Area of Use Internal, semi-exposed and external Internal, semi-exposed and external Steel Section Universal sections and cellular beams Universal sections and cellular beams Fire Performance 30 to 120 minutes 30 to 120 minutes Building Classification[†] C1, C2 and C3 buildings C1, C2 and C3 buildings BS476: Part 20/21: EN13381: Part 8: BS476: Part 20/21: EN13381: Part 8: Certification EN13823 (SBI); Cellular beams to EN13381 EN13823 (SBI); Cellular beams to EN13381: Part 9 and ASFP; Certifire Approved Part 9 and ASFP; Certifire Approved ETAG 018 Part 2 ETAG 018 Part 2 Category X - External (with top seal) Category X - External (with top seal) Durability' Category Y - Semi-exposed Category Y - Semi-exposed Category Z, Z1, Z2 - Internal Category Z, Z1, Z2 - Internal Construction Phase Duration - 6 months fully external Duration - 6 months fully external without top seal Durability without top seal Touch Dry Touch dry in 1 hour Touch dry in 1 hour Cure Time Cured in 2 hours Cured in 8 hours Colour Light Blue Light Blue Airless spray or brush Airless spray Application Method (Trowel may be used for repairs) (Trowel may be used for repairs) Onto clean dry compatible epoxy primer Preparation Recently blasted steel. (3 months aged or older) or recently blasted steel. WFT/Coat mm 6.5 mm 6.5 mm DFT/Coat mm 5.5 mm 5.5 mm Pot Life Greater than 15 minutes Greater than 60 minutes Container Size 25 kg or 200 litres Part A 45 kg Part B 25 kg kit Part A and Part B Specific Gravity 1.49 (mixed) 1.49 (mixed) Volume Solids 85% +/- 3% 85% +/- 3% Flash Points Approx. 250°C Approx. 250° C Nullifire TS818 WPU Nullifire TS818 WPU Approved top seals Nullifire TS819 SPU Nullifire TS819 SPU

† For building classification outside of this range please refer to Nullifire's technical services department

* Refer to Product Technical Data Sheet



- 90 and 120 minute fire protection
- Weather resistant in less than 1 hour,
- Early fire protection offers peace of mind

Fast Track Your On-site Construction Programme

One day application and rapid cure allows speedy progress on site. Coated areas can be freed early to allow uncongested progress of following trades.

Maximise Spraying Days - Minimise Down Time SC902 technology is more tolerant of ambient conditions than conventional thin film systems. It will still cure well in high humidity and in low temperatures.

May be applied directly onto SA2.5 blasted steel without the need of a primer coat. Compatible with epoxy primers aged for 3 months+. Very tolerant of poor or damaged primer and light rusting.

Fast Track Application – in a Single Coat The unique high build nature of SC902 allows the application of sufficient paint to provide 2 hour fire protection in a single coat. With a wet film thickness up to 6.5 mm in a single application, coating times can

be reduced by over 60% **Gain Time on Critical Details**

SC902 can be applied directly over degreased galvanised bolts without the need of a primer.

Versatile Coating Finish

High speed application gives a lightly textured finish. A smooth finish, if required, can be achieved by adjusting the amount of thinner content

Rapid Cure - Early Stage Durability SC902 is touch dry within 1 hour and fully cured within

8 hours. With best in class construction phase durability, the coating is weather resistant in 1 hour. Good resistance to running and pooling water avoids damage to the freshly completed coating eliminating costly re-coating.

Resists weathering for 6 months without a top seal. The application of an approved top seal completes long

On-site damage is a reality of busy construction sites. With SC902 minor repairs are quickly effected. The high build nature of the product allows material application in one layer – avoiding the build-up and cure of multiple layers of traditional thin film systems.