

Nullifire[®] AUSTRALIA



SC900 SERIES

**FAST TRACK
INTUMESCENT COATINGS
UP TO 120 MINUTE
FIRE PROTECTION
OF STRUCTURAL STEEL**

Two hour fire protection can be achieved with just one coat in 24 hours instead of 7 days for conventional products.

INTUMESCENT FIRE PROTECTION WITHOUT COMPROMISE

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

SC900 SERIES

FAST TRACK INTUMESCENT COATINGS UP TO 120 MINUTE FIRE PROTECTION OF STRUCTURAL STEEL



SC902 OPTIMISED FOR ON-SITE APPLICATION

- Provides rapid completion of on-site fire protection
- Suitable for off-site applications as well
- Up to 120 minute fire protection in one coat
- Weather resistant in less than 1 hour, overnight cure
- 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.

Self-Priming

May be applied directly onto blasted steel without the need of a primer coat. Compatibility with epoxy primers**. 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 6.5mm 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 coat eliminating costly re-coating.

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

Rapid Repair

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.

Traditional On-Site

application method

120 MINUTE FULL FIRE PROTECTION IN 7 DAYS

Day 1



WFT 1.2 mm



DRYING
TIME

Day 2



WFT 1.2 mm

SC902

application method

Assessed in accordance
with AS1530.4-2005 and
AS4100-1998

120 MINUTE FULL FIRE PROTECTION IN 24 HOURS

Day 1



WFT 5.9 mm



DRYING
TIME

Day 2



Complete

DFT 5 mm

	SC902 Fast Track On-site Intumescent Coating	SC901 Fast Track Off-site Intumescent Coating
Properties	Area of Use	Internal, semi-exposed and external
	Steel Section	Universal sections and cellular beams
	Fire Performance	30 to 120 minutes
	Building Classification†	C1, C2 and C3 buildings
	Certification	Assessed in accordance with AS1530.4-2005 and assessed in accordance with AS4100-1998 BS476: Part 20/21; EN13381: Part 8; EN13823 (SBI); Cellular beams to EN13381: Part 9 and ASFP; Certifire Approved
	Durability*	ETAG 018 Part 2 Category X - External (with top seal) Category Y - Semi-exposed Category Z, Z1, Z2 - Internal
	Construction Phase Durability	Duration - 6 months fully external without top seal
Primer & Approved Top Seals	Contact Nullfire Australia	

SC900 the next generation of intumescent coatings for fire protection of structural steel has numerous advantages over conventional sprayed fire protection systems such as vermiculite and traditional intumescent coating technologies. Only SC900 offers the ability to reduce construction time and reduce overall operational costs this does drive true cost savings to the client and builder.

- Two hour fire protection can be achieved with just one coat in 24 hours instead of 7 days with more conventional products.
- Cuts application and drying time by 60%
- On-site / Off-site application.
- High speed application gives a lightly textured finish.
- Generally no need for a primer coat, can be applied directly to blasted steel.
- Touch dry and water resistant within 1 hour, fully cured in 8 hours.
- Cures well in high humidity and in low temperatures.
- Versatile coating finish – flexible, robust and impact resistant.
- On-site damage can be quickly and easily repaired.
- Eliminates downtime and delays on and off-site.
- Internal and external use.

• Full compliant to relevant Australian Standards.

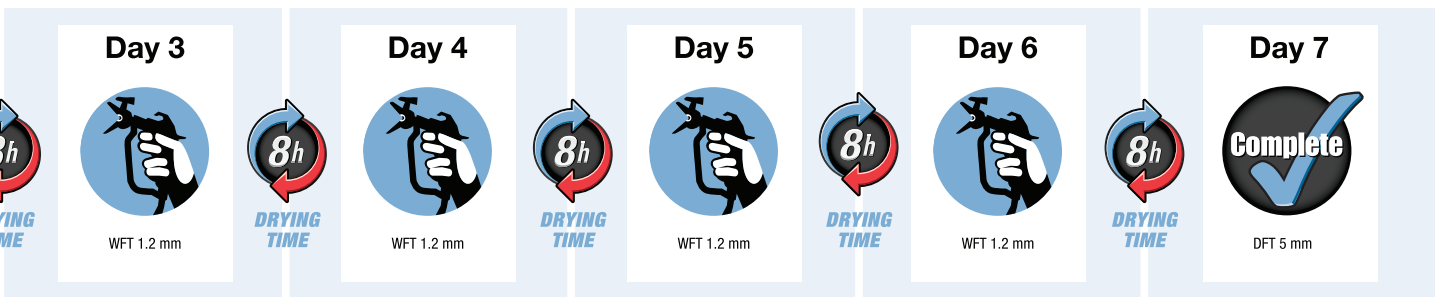
† For building classification outside of this range please refer to your supplier.

* Refer to Product Technical Data Sheet. ** Refer to your supplier for advice.

	Vermiculite	SC900 Intumescent
Internal Use	YES	YES
External Use	NO	YES
On-site Application	YES	YES
Off-site Application	NO	YES
Rapid Cure Rates	NO	YES
Water Resistant*	NO	YES
Rapid Output	NO	YES
Maximised Productivity	NO	YES
Flexible Finish	NO	YES
Robust	NO	YES
Impact Resistant	NO	YES
Exposed to Weather External**	NO	YES
Speedy Repairs	NO	YES
Wet Trade	YES	NO

* SC900 Series intumescent coatings off water resistance within 1 hour or application

** SC900 Series intumescent coatings can remain exposed to weather for 6 months without a top coat.



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



SC901 OPTIMISED FOR OFF-SITE APPLICATION

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

Rapid Factory Output

One day application and rapid cure allows speedy throughput 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.

Self-Priming

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

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.

Speedy Repairs

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.



VERSATILE, FAST-TRACK SYSTEM

SC900 intumescent coatings represent 'state-of-the-art' technology offering unparalleled versatility and performance in coating application and fire protection of structural steel. The technology has been engineered to provide effective solutions for the challenges associated with both off-site and on-site application, and provides a real alternative to existing thin film paints and board systems.

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 may set new standards in; tolerance of application conditions, resistance to storage/ construction phase conditions and ease of repair.

Primer

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.



Visit www.nullifireaustralia.com.au to see the SC900 series video.

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. Nullifire 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
- Fully trained specialist applicators
- Technical data sheets
- Application and product training on-site or off-site inspection to ensure correct product application[†]

For information or assistance, contact your supplier today.

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 SC900 Series receive individual application tuition from our technical service instructors.

[†]NOTE: 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 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. Nullifire offers high performance fire protective solutions for:

Steelwork

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

Construction Joints

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

Service Penetrations

Lightweight, flexible barriers to maintain compartmentation.

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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.

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APPROVED APPLICATOR

INTUMESCENT FIRE PROTECTION WITHOUT COMPROMISE