Nullifire
Smart Protection

SC900

On-Site Intumescent Steel Coating Repair Kit

up to **120** mins

Product Information

Description
The SC900 Series repair kit enables seamless repairs to accidental damage in isolated areas in order to preserve fire integrity.

Usage / Purpose
The SC900 Series Repair Kit enables long-term repairs to accidental damage caused to an SC901 0r SC902 coating.

Finish
Can be applied to a smooth matt finish. A compatible top seal can be applied if a decorative finish is required.

Colour
Part A: White
Part B: Translucent Black
Mixed: Off-white
Cured: Off-white

Packaging
Part A and Part B supplied as a 4.7 kg kit (Part A 4.2 kg and Part B 0.5 kg).

Environmental Considerations
Low VOC and no solvent entrapment or prolonged solvent odour.

Availability
Only available to Nullifire Specialist Contractors 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.

Surface Preparation & Priming
- If original surface was unprimed, then no primer is required.
- Any damaged primer will need to be spot repaired with a compatible approved system and allowed to dry.
- This may facilitate the further removal of a basecoat layer.
- All edges must be feathered to prevent isolated cracking onece the repair is complete.

Application Conditions
- The damaged area shold not exceed 150 mm x 150 mm.
- Temperature should be above 0°C.

Application Equipment
Paint Brushes (Various Sizes)
Pallet Knife - Used for mixing materials
Filling Knife - Used for applying Filler System
Scraper - Used for removing loose materials
Float - Used for filling and smoothing materials
Window Scraper - Used for removing rough edges or protrusions
Sand Paper (Various Grades)
Sanding Block
Nullifire SC900 Series Repair Kit
Primer (As per original specification)
Top Seal (As per original specification)

Mixing
Mix the Part B into the Part A container using a pallet knife until a uniform colour is obtained. Always mix the whole container.

Application
- To reinstate the basecoat to its original thickness use the most appropriate method for the size and type of damage.
- Mixed SC900 should be worked into the damaged area and let slightly proud of the surrounding surface to minismis work when cured.
- The SC900 will shrink by about 10% after application.

Drying Times
- All areas should be allowed to dry as per the original SC901 or SC902 for a minimum of 4 hours.

Application Advice
- It is recommended that for areas of high aesthetic appearance, further preperation is undertaken.
- This may involve using a window scrapper to smooth out surface abrasions.
- SC900 repair filler can easily be sanded by hand or mechanical sander to provide a flat finish.
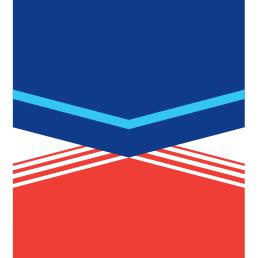
Key Benefits Summary

- Allows high quality fast cure repairs to SC901 or SC902 coated surfaces
- Maintains the integrity of the original coating even after the repair
- Same fast cure properties as the orignal material
- Repairs can be done at low temperatures and are weather resistant
- Suitable for treating scratches, grazes, indentations and minor abrasions

Cleaning

Excess sealant can be cleaned or removed with soapy water before sealant skins. Clean spray equipment with soapy water and as per manufacturer instructions.

Transportation

SC900 is compliant with the exemption for all shipping by road (ADR 2.2.3.1.5), as a Class 3 'flammable liquid' under the dangerous goods regulations.

Maintenance & Repair

Damaged areas should be abraded back to a sound surface. The surface should then be clean and dry before re-applying. The SC900 repair kit should be used for repairing scratches and chips. Once repaired, the top seal should be re-applied. Refer to Nullifire System SC900 Maintenance Instructions.

Specification

A Tremco CPG Representative will provide a specification for each project. Tremco CPG UK Limited accepts no responsibility for defects arising from failure to follow the specification.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

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.

Technical Data

Property	Result
Composition	A low VOC, high build formulation based on advanced hybrid technology
Performance	
Prohesion' Cyclic Corrosion test to ASTM G85:2009 Annex A5 At 1000 hours Maximum extent of undercut corrosion 6.00 mm from scribe mark Note: The above test was carried out on a primer-less steel substrate	
Certification	BS476 Part 2 - 1987 and EN13381:Part 8
Building Classification	C1, C2 and C3 environments
Properties (Typical Values)	
Volume Solids	85% ±3%
VOC	137 g/litre
Mix Ratio	By weight 100:12 By volume 5.6:1
Theoretical Coverage	1,750 g/m² based on an applied 1.00 mm dry film thickness
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

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.