Nullifire® AUSTRALIA

S707
30, 60 & 120 MINUTES
FIRE PROTECTION
ON-SITE, WATERBORNE
decorative intumescent coating
FOR STRUCTURAL STEEL

INTUMESCENT FIRE PROTECTION WITHOUT COMPROMISE
Nullifire S707 waterborne solutions offer faster, safer and more economical fire protection to internal steelwork than solvent-based solutions.

**S707**

**30 & 60 MINUTES FIRE PROTECTION**

**MOISTURE RESISTANT**

waterborne intumescent coating

*FOR INTERNAL STRUCTURAL STEEL*

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**ENVIRONMENTAL FRIENDLY SYSTEM**

Waterborne and halogen free, the S707 range has low VOC content, making it suitable in less well ventilated areas. S707 is ready to use (requiring no thinning) and is easy to spray. Conventional airless manual or automated spray systems may be used. S707 may be applied by roller or brush, using a ‘laying on’ technique to avoid heavy brush marks. Suitable for ‘Touch Up’ or small areas only.

**S707 Range**

- Fully tested and approved
  - BS476: Part 20/21: 1987, in line with the ICF and ASFP guidelines for 30, 60, 90 and 120 minutes
  - Surface spread of flame and propagation tested to BS476: Part 6/7, Class 0
  - Smoke and Toxicity tested to EN 13823 (SBI) and IMO smoke/toxicity
  - Fully tested on Cellular beams in accordance with the ASFP method
  - Assessed in accordance with AS1530.4-2005 and AS1100-1998
  - Yellow Book and ICF approved
- Hi-Solids content
  - For thinner film and faster drying time
- Hi-Build technology
  - For single coat application, providing exceptional results – faster

**SMOOTH, HARDWEARING FINISH**

S707-60 is white, and S707-120 is light grey in colour. All products dry to a smooth, robust finish. This avoids the need for top seal in non-decorative areas of C1 buildings, providing even faster and more economical construction times.

**PROTECTION AND DECORATION**

The S707 range of fast drying, waterborne decorative intumescent coatings are designed for on-site application.
## S707-60 System
30, 60 and 90 minutes fire protection. Achieved in a single coat.

## S707-i20 System
90 and 120 minutes fire protection.
All S707 Systems are waterborne and formulated for maximum application benefits.

### Technical

<table>
<thead>
<tr>
<th>Property</th>
<th>S707-60 Waterborne Intumescent Basecoat</th>
<th>S707-i20 Waterborne Intumescent Basecoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area of Use</td>
<td>Internal</td>
<td>Internal</td>
</tr>
<tr>
<td>S.G</td>
<td>1.35</td>
<td>1.37</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>72% ± 3%</td>
<td>68% ± 2%</td>
</tr>
<tr>
<td>Flash Points</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
<td>Light Grey</td>
</tr>
<tr>
<td>Preparation</td>
<td>Onto clean dry compatible primer</td>
<td>Onto clean dry compatible primer</td>
</tr>
<tr>
<td>WFT/Coat µm</td>
<td>Brush: &lt;600 Spray: &lt;1200</td>
<td>Brush: &lt;600 Spray: &lt;1200</td>
</tr>
<tr>
<td>Drying Times*</td>
<td>24 hours between coats at &gt;10ºC</td>
<td>24 hours between coats at &gt;10ºC</td>
</tr>
<tr>
<td>Overcoating</td>
<td>Minimum 24 hours at &gt;10ºC before top coat</td>
<td>Minimum 24 hours at &gt;10ºC before top coat</td>
</tr>
<tr>
<td>Fire Performance</td>
<td>Universal, hollow sections and cellular beams</td>
<td>Universal, hollow sections and cellular beams</td>
</tr>
<tr>
<td>Steel Section</td>
<td>Assessed in accordance with AS1300.4-2005 and AS411-1998 as standards BS476: Part 20/21 BS476: Part 6/7 Class 0 EN13823 (SB) and IMO smoke/toxicity Certifire fully tested on cellular beams</td>
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</tr>
<tr>
<td>Certification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Seal Requirement</td>
<td>Top seal within 1 month</td>
<td>Top seal within 1 month</td>
</tr>
<tr>
<td>Building Classification†</td>
<td>C1, C2 and C3 buildings</td>
<td>C1, C2 and C3 buildings</td>
</tr>
<tr>
<td>Application Method</td>
<td>Airless spray, short pile roller or brush</td>
<td>Airless spray, short pile roller or brush</td>
</tr>
<tr>
<td>Container Size</td>
<td>25kg Drum</td>
<td>25kg Drum</td>
</tr>
</tbody>
</table>

*Average drying times based on typical DFT. Drying time is very dependent on temperature/humidity/air movement – refer to application notes.
†For building classification outside of this range please refer to Nullifire’s technical services department.
C1: Very low corrosion risk, warm dry interior application, for example offices, shops, residences, schools, hospitals, airports

C2: Low corrosion risk, steelwork exposed to moisture, for example sports halls, exhibition halls, vehicle depots

C3: Medium corrosion risk, steelwork exposed to moisture and pollution, for example food processing, dairies, breweries etc.

For further information on C1, C2 and C3 Building Classifications and applications outside this range, for example stadia, swimming pools, chemical plants and other areas where steelwork is exposed to high levels of moisture or corrosive pollutants, please consult Nullifire Technical Services Department.

EXCEPTIONAL, SUSTAINABLE APPEARANCE

Top seal for S707 (where required) is available in a range of RAL or BS4800 colours. It contains no fibres, and is therefore suitable for areas where delicate electronic instruments are manufactured or used. The satin finish is easy to maintain by simply wiping clean with a damp cloth.

*NOTE: Although the risk of damage to the intumescent coating is minimal, a repair kit is available for making good any damaged areas onsite without detracting from the S707 finish or performance.*
VERSATILE SYSTEM WITH PROVEN PERFORMANCE

Nullifire has pioneered the use of intumescent coatings for the decorative fire protection of structural steelwork for a generation.

S707 is the most advanced and versatile waterborne basecoat of its type. It provides a durable and attractive surface, similar to a paint finish. However, in a fire, the S707 film expands to many times its original film thickness. This provides an insulating foam-like coating or ‘char’ to protect steelwork against heat build-up and the effects of fire.

The system, applied to correctly prepared steel, typically comprises two or three layers, depending upon the application:

**Primer**
To protect the steel against corrosion and prepare the surface. This provides a key for the application of the basecoat.

**Basecoat**
The S707 intumescent coating itself, applied on-site to a measured thickness to provide the specified level of fire protection.

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

**Application**
Nullifire Primer, S707 Basecoat, and Top Seal should be applied by fully trained specialist approved contractors, ensuring a high quality service and finish.

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COMPREHENSIVE TECHNICAL SUPPORT

Nullifire S708 is backed by full technical information, including:
- Loading tables
- Technical Data Sheets
- Materials estimating program
- Application and product training

Expert support and assistance is available for every stage of a project, from product selection and specification to installation and certification.

CONTRACTS SUPPORT

For information or assistance, contact Nullifire Australia today:

**Tel:** 07 3865 5554  
**Email:** info@nullifireaustralia.com.au

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 sub-leaves and construction work, are outside the scope of Nullifire inspection and verification.
SPECIALIST EXPERTISE YOU CAN RELY ON

Nullifire has been at the forefront of the development of intumescent fire protection systems for over 25 years. Totally focused on fire protection, the company has worked with the world’s leading architects, providing fire protection solutions for many of the major 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 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**: 07 3865 5554

**Email**: info@nullifireaustralia.com.au

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**S707**

**30, 60 & 120 MINUTES FIRE PROTECTION**

**ON-SITE, WATERBORNE**

Decorative intumescent coating for structural steel

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W: www.nullifireaustralia.com.au

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