

**Selection & Specification Data**

**Generic Type** A single package, solvent-based intumescent coating for the fire protection of structural steel.

**Description** Nullifire S606 Basecoat is designed to fireproof steelwork for up to 3 hours fire rating, depending on the design. The recommended use for this product is fireproofing of steel beams, columns, tubes, and pipes.

- Features**
- U.L.I. listed – designs for many types of steel section up to 3 hours fire rating for both interior ratings: (1) general or (2) conditioned space purposes
  - Decorative Finish – Gives a smooth and decorative finish. Compatible topcoat available in a wide range of colors.
  - Durable finish – Provides a hard dust free surface resistant to normal wear
  - Thin film coating – Offers an economical solution to alternative fireproofing
  - VOC compliant
  - Easy repair – If damaged it can be repaired easily with Nullifire S Filler

**Primers** Nullifire S606 Basecoat should be applied over a compatible primer. A number of primers have been tested as compatible as listed below:  
 Carboguard® 888 Carbocoat® 115 SG  
 Carboguard® 893 Carbocoat 150  
 Carboguard 1340 Carbocrylic® 120  
 Carbozinc® 11 Nullifire® S620\*  
 Carbozinc® 859 Carbomastic® 15  
 Rustbond Penetrating Sealer®  
 \*Made to order only

If the steel has already been coated with another primer, refer to Carboline Technical Service for advice before applying the Nullifire S606. Nullifire S606 should not be applied over chlorinated rubber or bitumen-type primers. Surface preparation should be carried out in accordance with the application instructions for the selected primers.

**Selection & Specification Data (cont.)**

**Topcoats** For interior “conditioned purpose” use, topcoats are optional. For interior “general space” use, topcoats are required. Once the S606 Basecoat has been applied to the specified DFT and is fully dry, it must be sealed with Carboguard 1340 and then finish coated with either Carbocrylic 3359®, Carbothane® 133 HB or Carbothane® 133 VOC. The choice of topcoat will depend on project requirements. For other options contact Carboline Technical Service.

**Dry Film Thickness** Typical DFT is between 20-292 mils

**Limitations** Not recommended for exterior use or for steelwork subject to long-term surface temperatures over 140°F (60°C) in normal use.

**Physical Data (Typical Values)**

S606 Color	Pale pink
Specific Gravity	1.37
Volume Solids	67%
V.O.C. (EPA Method 24)	2.49 lbs/gallon
W.P.G.	11.40 lbs.
Durometer Hardness	Shore D: 70 (fully cured) Shore D: 25 (for topcoating)
Film Build (Spray)	40 mils (wet), 27 mils (dry)
Film Build (Brush)	15 mils (wet), 10 mils (dry)
Flash Point	86° F
Drying Time (between coats)	24 hrs at 50°F

*Test reports and additional data available upon written request.*

# Nullifire® S606

## Approvals

### UNDERWRITERS LABORATORY, INC.

Nullifire S606 has been tested in accordance with ASTM E-119 in the Underwriter's Laboratory, Inc. It is listed by U.L.I. and U.L.C. for the following designs:

<u>Design Number</u>	<u>(ULI)</u>
X632	Wide flange columns
X633	Tube columns
X634	Pipe columns
N610	Restrained and unrestrained Beams
D785	Beams (Protected Deck)
D936	Beams (Unprotected Deck)

The product should be applied in accordance with the appropriate design.

### CITY OF NEW YORK – DEPT. OF BUILDINGS

Nullifire S606 has been found acceptable for use in Class I and Class II Buildings in accordance with the following report numbers:

MEA 174-00-M	Beams
MEA 175-00-M	Beams
MEA 97-00-M	Columns/Tubes/Pipes

### CITY OF LOS ANGELES – DEPT. OF BUILDING & SAFETY RESEARCH

Report: RR25464

## Packaging, Handling & Storage

<b>Shipping Weight (Approximate)</b>	Weight per gallon is 12 lbs. Weight per 5 gallons is 60 lbs. Weight per truckload is 45,000 lbs.
<b>Storage (General)</b>	Store indoors in a dry environment.
<b>Storage Temperature</b>	32°F (0°C) – 105°F (40°C)
<b>Shelf Life</b>	Min. 18 months

**\*Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



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