

### Selection & Specification Data

**Generic Type** A waterborne, intumescent basecoat for fire protection of structural steel.

**Description** Nullifire S607 intumescent basecoat is designed to fireproof interior structural steelwork up to 2 hours fire rating, depending on design. The recommended areas of use are steel beams, columns, pipes, and tubes.

- Features**
- U.L.I. Listed – designs for many types of steel section up to 2 hours fire rating
  - U.L.I. Listed for both interior ratings (1) General Purpose and (2) Conditioned Space Purpose
  - Decorative Finish – Gives a smooth decorative finish. Compatible topcoats available in a wide range of colors.
  - Durable finish – Provides a hard dust free surface resistant to normal wear
  - Waterborne – can be used in occupied buildings or where solvent fumes may be a problem
  - VOC compliant
  - Spray application – Applied by airless spray either on site or off site (with suitable topcoat) prior to erection of the steelwork
  - Easy repair – If damaged it can be easily repaired with Nullifire® S Filler

**Primers** Nullifire S607 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 1340                      Carbocoat 150  
 Carbocrylic® 120                      Nullifire® S620\*  
 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 S607. Nullifire S607 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** Once the S607 Basecoat has been applied to the specified DFT and is fully dry, it can be topcoated with Carbocrylic® 3359 or a suitable topcoat.

**Dry Film Thickness** Typical DFT is between 20 – 161 mils

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

### Physical Data (Typical Values)

S607 Color	White
Specific Gravity	1.36
Volume Solids	62%
Durometer Hardness	Shore D: 75 (fully cured)
W.P.G.	11.34 lbs.
V.O.C. (EPA Method 24)	0.44 lbs./gallon
Film Build (Spray)	30 mils (wet), 19 mils (dry)
Film Build (Brush)	15 mils (wet), 9 mils (dry)
Flash Point	141° F
Drying Time (between coats)	12 hrs at 50°F

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

# Nullifire® S607

## Approvals

### UNDERWRITERS LABORATORY, INC.

Nullifire S607 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>
X635	Wide flange columns
X636	Tube columns
X637	Pipe columns
N611	Restrained and unrestrained Beams
D786	Beams (Protected Deck)
D937	Beams (Unprotected Deck)

### CITY OF NEW YORK – DEPT OF BUILDINGS

Nullifire S607 has been found acceptable for use in accordance with the following report numbers:

MEA 176-00-M	Beams
MEA 177-00-M	Beams
MEA 178-00-M	Columns/Tubes/Pipes

Class I Flame Spread

### 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 gallon is 60 lbs. Weight per truckload is 45,000 lbs.
<b>Storage (General)</b>	Store indoors in a dry environment. Keep from freezing.
<b>Storage Temperature</b>	40°F (5°C) – 95°F (35°C) Keep from freezing.
<b>Shelf Life</b>	12 months

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

January 2005 replaces July 2004

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