



**BUILDING CODE MANUAL  
COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
BUILDING AND SAFETY DIVISION  
Based on the 2008 LACBC**

**1704.10  
Article 1  
05-12-09  
Page 1 of 2**

**SPECIAL INSPECTION – SPRAY-APPLIED FIREPROOFING**

Section 1704 categorizes the various types of work requiring special inspection and provides specific information as to when a Special Inspector is required on a particular job.

All installations of spray-applied fireproofing, shall be inspected by a Special Inspector as required by Section 1704.10 and ASTM E736-00. Section 1704.10 covers procedures for obtaining thicknesses and densities for sprayed fibrous and cementitious fire-resistive materials. It also requires that test standards and field inspections be conducted by an approved agency. Building and Safety will accept for review reports submitted by an approved testing laboratory which shows compliance with Section 1704.10 as satisfying the requirement of Section 1704.1 for spray-applied fireproofing. For fireproofing work, the testing laboratory report is to be submitted, reviewed, and approved by the Building Inspector prior to final inspection.

The testing laboratory report on spray-applied fireproofing must include verification of the following minimum information, as required by the LACBC:

- |                   |   |
|-------------------|---|
| Section 1704.10.1 | Structural member surface conditions.   |
| Section 1704.10.2 | Application per manufacturer's instructions.                                      |
| Section 1704.10.3 | Thickness of fireproofing on structural frame, columns, beams and floor sections. |
| Section 1704.10.4 | The density of the material.  |
| Section 1704.10.5 | Bond strength of the cured fireproofing materials.                                |

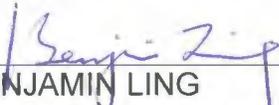
Although the International Code Council (ICC) certifies Special Inspectors specifically for Spray-applied Fireproofing, Building and Safety has not provided the examination to deputize this category of Special Inspectors. In order to perform special inspection in Spray-applied Fireproofing, the Special Inspector shall meet at least one of the following requirements:

1. A Special Inspector deputized by Building and Safety as a Structural Welding and High Strength Bolting Inspector with a valid identification card.
2. A Spray-applied Fireproofing Inspector certified by ICC and authorized by the Research Engineer to perform the inspection.

If plans that are submitted for plan review states that special inspection is required for spray-applied fireproofing, then the plan check engineers must ensure that the following are incorporated in the plans:

1. Application of spray-applied fireproofing shall be in accordance with the manufacturer's instructions.
2. Specify on plans whether special inspection is continuous or periodic.
3. For projects involving the fireproofing of many different structural shapes and weights per foot (meter), the required thickness of fireproofing material for each column, beam, deck etc., shall be presented in tabular form on the building plans.

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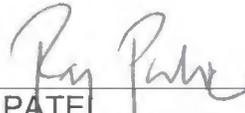
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dated 05-27-97