

## When choosing a fire resistant flooring or vertical surface, Lonseal has the solution



### Testing the Flammability of Floor Covering

In accordance with the 2006 International Building Code (pending 08'), the fire resistance of Interior Floor Finish and Floor Covering Materials is measured using:

**NFPA 253 (ASTM E648) Standard Method of Test for Critical Radiant Flux of Flooring Covering Systems Using a Radiant Heat Energy Source.**

Minimum critical radiant flux:

**\*Class I 0.45 watts/cm<sup>2</sup> or greater**

**Class II 0.22 watts/cm<sup>2</sup> or greater**

**\*Lonseal products are rated Class I. For testing results, please contact Lonseal's Technical Department at 800-832-7111 ext. 24**

### Testing the Flammability of Wall Covering

The flame spread and smoke density of Wall Coverings is measured using:

**NFPA 255 (ASTM E84) Standard Method of Test of Surface Burning Characteristics of Building**

Wall Coverings are then classified as follows:

**\*Class A Flame spread 0 – 25  
Smoke development 0-450**

**\*Class B Flame spread 26 – 75  
Smoke development 0-450**

**Class C Flame spread 76 – 200  
Smoke development 0-450**

**\*Lonseal products are rated Class A and Class B. For testing results, please contact Lonseal's Technical Department at 800-832-7111 ext. 24**

## NFPA LIFE SAFETY CODE 101 – Interior Finish in Exit Enclosures NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

This code covers life safety from fire and other emergencies. It also contains construction, protection and occupancy features to minimize danger to life from fires, smoke, fumes or panic before buildings are vacated.

### 7.1.4 Interior Finish in Exit Enclosures

#### 7.1.4.1 Interior Wall and Ceiling Finish in Exit Enclosures

In exit enclosures, interior wall and ceiling finish materials **shall be Class A or Class B.**

#### 7.1.4.2 Interior Floor Finish in Exit Enclosures

New interior floor finish in exit enclosures, including stair treads and risers, **shall be not less than Class II.**

**NOTE:** It has not been found necessary or practical to regulate interior floor finishes on the basis of smoke development.

### References:

National Fire Protection Agency (2000)  
2006 International Building Code (Pending – 2008)  
American Society for Testing and Materials (2007)