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Dr. Steve Fox  
Canadian Sheet Steel Building Institute  
625 Bishop St. N.  
Unit 2A  
Cambridge, ON  
N3H 4V6

Subject: Non-Combustibility of Steel Building Products

Dear Dr. Fox,

Non-Combustibility of Building materials is evaluated in accordance with Standard, CAN/ULC S114, STANDARD METHOD OF TEST FOR DETERMINATION OF NON-COMBUSTIBILITY IN BUILDING MATERIALS- Edition 3 - Issue Date 2005/07/01.

The test requires that a test specimen be subjected to 750°C controlling temperature for 15 minutes in the test apparatus defined by the Standard. Three tests are required for each sample. A specimen is reported to be non-combustible if all three of the following criteria are met:

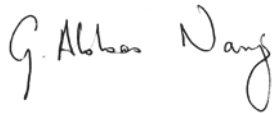
- The mean of the maximum temperature rise of the three (or more) specimens of the sample during the test is not exceed 36°C.
- There is no flaming of any of the three (or more) specimens during the last 14 minutes and 30 seconds of the test; and
- The maximum loss of mass of any of the three(or more) specimens during the test does not exceed 20 percent.

Bare steel when subjected to the above fire test, will not raise the temperature, flame or loose mass, and is therefore deemed to be non-combustible.

The test is not applicable to material with decorative protective coatings, however if steel is coated with zinc, or 55% aluminum-zinc coating, and since these coatings by themselves are also non-combustible, the zinc or 55% aluminum-zinc coated steel would be considered as being non-combustible.

Your truly

Reviewed by:



G. Abbas Nanji.  
Sr. Staff Engineer  
Fire Resistance Group  
Building Materials Section  
Tel: 416 288 2208  
e-Mail:Abbas.g.nanji@ul.com

Ahmad F. Mangou. M.Sc., P Eng.  
Staff Engineer  
Fire Resistance Group  
Building Materials Section  
Tel: 416 288 2275  
e-Mail:ahmad.f.mangou@ul.com