

Subject 263

January 5, 2018

SUMMARY OF TOPICS

The following topics for the Standard for Fire Tests of Building Construction and Materials, UL 263, are being recirculated:

1. (A) Removal of the use of thermometers to measure temperatures on the unexposed surfaces, (B) Introduction of the use of a cotton pad test to determine conditions sufficient to ignite cotton waste on unexposed surfaces and (C) Expansion of the requirement to reference compliance with ASTM E2749 in reports describing fire tests on beam assemblies

2. Introduction of tests on ceiling membranes

3. Introduction of measuring and reporting furnace pressure

COMMENTS DUE: FEBRUARY 5, 2018

For your convenience in review, proposed additions to the previously proposed requirements dated 2017-10-06 are shown underlined and proposed deletions are shown ~~lined-out~~.

1. (A) Removal of the use of thermometers to measure temperatures on the unexposed surfaces, (B) Introduction of the use of a cotton pad test to determine conditions sufficient to ignite cotton waste on unexposed surfaces and (C) Expansion of the requirement to reference compliance with ASTM E2749 in reports describing fire tests on beam assemblies

RATIONALE

Responses to comments have been posted within the 263 Proposal Review Work Area dated 2017-10-06. This recirculation ballot includes 5.4A.8 in response to comments from the previous ballot.

PROPOSAL

5.4A.8 The cotton pad test shall not be conducted when the temperature on the unexposed surface, in the vicinity of the opening, has exceeded 572°F (300°C).

2. Introduction of tests on ceiling membranes

RATIONALE

Responses to comments have been posted within the 263 Proposal Review Work Area dated 2017-10-06. This recirculation ballot includes revisions to 3.3, 16.1.1, 16.1.2, 16.1.3, 16.1.4, 16.2.4 and 16.3.1.1 in response to comments from the previous ballot.

PROPOSAL

3.3 Temperatures of unexposed surfaces of floors, roofs, walls, and partitions, and ceilings

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16.1 Application

16.1.1 This test is applicable to ceiling membranes and requires application of the fire exposure to the underside of the specimen under test.

16.1.2 ~~Ceiling membranes consist of panels or tile, their support and mounting elements such as screws, adhesive and grid system as well as any service penetrations and their elements that are tested independently for fire resistance.~~

16.1.3 ~~A Ceiling Membrane classification obtained by this test based is applicable to a ceiling membrane when it is used with a ceiling assembly that does not retard heat flowing through the ceiling membrane more than the conditions with which it was tested.~~

16.1.4 ~~A ceiling assembly includes the basic components of the overhead structure including the ceiling membrane, the structure above the membrane, insulation and any elements on the top side of the structural elements such as the roof or flooring.~~

16.2.4 The perimeter of the test specimen shall be secured to the walls of the furnace or a furnace test frame with all provisions for expansion relief located within the area of the sample.

16.3.1.1 The fire test shall be conducted in accordance with Section 3, Control of Fire Tests with the thermocouple pads ~~furnace pressure~~ in accordance with 16.3.2.

3. Introduction of measuring and reporting furnace pressure

RATIONALE

Responses to comments have been posted within the 263 Proposal Review Work Area dated 2017-10-06. This recirculation ballot includes revisions to Appendix D in response to comments from the previous ballot.

PROPOSAL