

Subject 2218A

May 2, 2018

SUMMARY OF TOPICS

The First Edition of the Standard for Safety for Impact Resistance of Roofing Systems, UL 2218A, is being proposed for preliminary review and comment only:

1. For Preliminary Review Only: Proposed First Edition of UL 2218A, the Standard for Safety for Impact Resistance of Roofing Systems

COMMENTS DUE: May 16, 2018

This proposal is for review and comment only (no ballot at this time). Please note that comments on a preliminary review document will not receive a response from the proposal author through CSDS. Instead, the proposal author will be asked to review the comments and adjust the proposals and/or supporting rationale as the author determines to be appropriate. The preliminary review process is an informal mechanism that provides authors with the opportunity to refine their proposals before they advance to the next stage in UL's standards development process.

In some cases, the author of the proposals may choose to discontinue them. In this case, the author need not do anything after preliminary review has ended. Normally, the next step in the process is the more formal STP ballot and stakeholder review process. Only comments posted during the STP ballot and stakeholder review process will be provided with a response in CSDS.

UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 2218, UL is looking for participants in the Producer, Supply Chain, Commercial/Industrial User, AHJ, Government, Testing and Standards, Consumer and International Delegate interest categories. Definitions for these interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 2218 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, griff.edwards@ul.com.

1. For Preliminary Review Only: Proposed First Edition of UL 2218A, the Standard for Safety for Impact Resistance of Roofing Systems

RATIONALE

Proposal submitted by: Dwayne Sloan, UL LLC

UL published the first issue of the UL Outline of Investigation for Impact Resistance of Roofing Systems, Subject 2218A, on September 24, 2009. This proposal includes a few revisions to that version. An STP 2218 meeting is being scheduled for May 30, 2018. The comments received during this Preliminary Review of the following draft proposed first edition as a standard of UL 2218A will be discussed at that meeting.

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INTRODUCTION

1 Scope

1.1 This test method provides impact resistance data for the evaluation of low slope roof covering systems. For purposes of this standard, roof covering systems consist of various component materials installed on combustible or noncombustible decking intended for installation on roofs with an incline which is 14° (25 % or 3 in/ft) or less.

1.2 The test evaluates the effect of impact from the steel ball at locations on the assembly selected to be most vulnerable, such as (but not limited to) edges, corners, unsupported sections and joints.

1.3 This test method does not evaluate the effect of weathering, temperature, aging or similar effects on the impact resistance of roofing system components. These and other factors, including time, roof slope, roof system configuration and application influence the performance of roofing materials in the field. It is not the objective of this test to address all of these factors.

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

PERFORMANCE

3 General

3.1 Representative samples of the roof covering system construction, assembled to test decks as described in Preparation of Samples, Section 4, are to be subjected to the impact tests described in Test Apparatus, Section 5, and Test Procedure, Section 6.

4 Preparation of Samples

4.1 General

4.1.1 Representative samples of a roof covering system are to be applied, as described in 4.3, to test decks constructed as described in 4.2. The assemblies are to be conditioned in accordance with 4.4 prior to testing.