

SPRI
Roof Top Equipment
Sheraton Suites
Rosemont, IL
April 15, 2025



Minutes

Call to Order

The Roof Top Equipment Task Force meeting was called to order at 11:00 a.m. CT by Daniel Blasini. The SPRI Antitrust Statement was read. *

Roll Call

Those present were:

Joshua Adam, RTE Solutions	Alex Holtkamp, Holcim
Robert Beaird, All Weather Insulated Panels	Kevin Kervick, OMG Roofing Products
Daniel Blasini, Anchor Products	Dylan Langer, Tremco CPG Inc.
Brandon Carrasco, Unirac	Bob LeClare, ATAS International
Stan Choiniere, SCC	Michael Lichy, Seaman Corporation
ERIC COMPTON, FlashCo	Isaac Martin, Trufast
Mike Darsch, Sika	Dan Scheerer, SFS
Sean Dougherty, OMG Roofing Products	Justin Smith, Anchor products
Michael Giangiacomo, Flex Membrane International	Joel Stanley Stanley, Anchor Products LLC
Colin Griswold, OMG	Steven Wadding, Polyglass USA Inc.
Marci Guettler, Duro-Last	Chris Yanosko, Sika
David Hawn, Dedicated Roof and Hydro-Solutions	

Reports and Updates

Meeting Goal: The purpose of this meeting is to have a working meeting to develop action items.

Decisions Made:

- Approved objective statement for Task Force;
- Agreed on key performance requirements;
- Agreed to use a modified version of SPRI/ANSI RD1 test method for waterproofing;
 - Need to research ASTM D1970 to determine appropriate water column height;
- Agreed to include both the sulfuric acid test and the salt spray method in the standard, with a focus on exposed components;
- Agreed to initiate a draft for review at SPRI's next quarterly meeting;
- Agreed to meet in between SPRI meetings (~every 45days).

Meeting Notes:

*SPRI complies with antitrust laws and requires participants in its programs to comply with antitrust laws. Discussions which could affect competitive pricing decisions or other competitive factors are forbidden. There may be no discussions of pricing policies or future prices, production capacity, profit margins or other factors that may tend to influence prices. In discussing technical issues, care should be taken to avoid discussing potential or planned competitive activities. Members and participants should be familiar with the SPRI Antitrust Policy and act in conformity with it.

- 1) Reviewed the Task Force Scope:
 - Develop a consensus standard for rooftop equipment;
 - Use SPRI template for standards; and
 - ID & Review industry standards that are applicable to rooftop equipment testing (for example FM4481).
- 2) Voted and agreed on the Task Force Objective:
 - Develop a consensus standard to evaluate physical capabilities of attachments for securing rooftop equipment, using the SPRI template for standards & using FM 4481 as the starting point;
 - Identified “*watchouts*” for the standard to make the intent clear:
 - 1) Attachments used in low slope (only);
 - 2) Standard to evaluate lab performance (only);
 - 3) Differentiate from attachment on curbs or structural members, gravity mount, sleepers, etc.; and
 - 4) Strength of the attachment:
 - 1) Need to consider rotational forces, bending moments & prying force;
 - 2) Definition failure criteria;
 - 3) Effect of different substrates/ roof deck systems; and
 - 4) Compressive forces.
- 3) Discussed key performance requirements (starting with FM4481 testing requirements as basis).
Following the discussions the following table was captured:

Key Performance Requirements	Test
Waterproofing	Water permeation/ seams
Durability of parts:	
Exposed Metal	Corrosion Resistance
Exposed Plastic, Rubber, Asphalt, other	Heat aging, UV stability,
Connection Strength	Tensile, shear
Bending moment	Prying, possible test for steel
Compressive Force	Compressive test

For Standard Commentary: UV resistance/ Heat Aging/ Thermal Cycling (match UV performance of roof), design criteria (fastener pull test)- testing per deck.

- 4) Task Force started discussing and identifying test methods for key performance requirements:

- **Waterproofing-** Discussed water column tests methods:
 - 1) **ASTM D7281** *Standard Test Method for Determining Water Migration Resistance Through Roof Membranes.*
 - 2) **ANSI/SPRI RD-1 2025-** *Performance Standard for Retrofit Roof Drains.*
 - 3) **Decision Made:** Agreed to use modified version of SPRI/ANSI RD1 test method for waterproofing.
 - 4) **Action item:** Review ASTM D1970 to determine the appropriate minimum height for the waterproofing test.
- **Stability of metal parts- Corrosion** of exposed metal parts- Discussed test methods:
 - 1) **ASTM B117** *Standard Practice for Operating Salt Spray (Fog) Apparatus.*
 - 2) **ASTM D6294** *Standard Test Method for Corrosion Resistance of Ferrous Metal Fastener Assemblies Used in Roofing and Waterproofing.*
 - 3) **Decision Made:** Agreed to include both the sulfuric acid test and the salt spray method in the standard, with a focus on exposed components.
Include reference to dissimilar metals:
<https://metalconstruction.org/view/download.php/online-education/education-materials/roofing-educational-materials/dissimilar-metal-corrosion-in-roofing-installations> .
- **Stability of other parts- Plastics/Rubber/Asphalt/ Etc.** of exposed non-metal parts- **Unfinished business:**
 - 1) Need to consider stability of non-metal parts for example: plastic, rubber, asphalt, other.
 - 2) **Action Item:** Team to discuss potential methods (UV, heat aging, thermal cycling, etc.) or to add commentary in standard:
UV resistance/ Heat Aging/ Thermal Cycling (match UV performance of roof), design criteria (fastener pull test)- testing per deck.
- **Strength** (tensile & shear)- **Unfinished business**
 - 1) **Action Item:** Team to review industry standards for tensile & shear with goal to ID one.
 - 2) Some options:
 - ICC-ES ACCEPTANCE CRITERIA FOR PROPRIETARY ATTACHMENT SYSTEMS OF PHOTOVOLTAIC (PV) ARRAYS TO ROOF ASSEMBLIES (AC467);
 - TAS 117-95 (A) Test procedure for withdrawal resistance testing of mechanical fasteners used in roof system assemblies; and
 - ASTM E488-96 Standard Test Methods for Strength of Anchors in Concrete and Masonry Elements.
- 5) **Action Item:** Need to consider:
 - 1) Need to consider rotational forces, bending moments & prying force;
 - 2) Define failure criteria;
 - 3) Effect of different substrates/ roof deck systems;
 - 4) Compressive forces; and
- 6) Developed plan and action items to move forward
 - Schedule off-line meeting before next quarterly meeting; and
 - Develop a draft for review before next quarterly meeting.

Adjournment

There being no further business, the meeting adjourned at 11:45 a.m. CT.

Submitted: Daniel Blasini, Task Force Chair