



**Unconfirmed Minutes
Joint AMPP/NIA Standards Committee SC 27
Mechanical Insulation**

Wednesday, April 9, 2025

2:30 pm-5:00 pm Central

Music City Center, Nashville, TN - Room 202C

Zoom link: <https://us06web.zoom.us/j/89758865522?pwd=NfJ8PduUjSGEatu5abDXiD6Pt4ofvt.1>

Meeting ID: 897 5886 5522 Passcode: 986332

Meeting Time	Document	Document/Presentation Title
2:30 - 2:35 p.m.		Call to Order and Review of Safety Procedures and Disclaimers – Jeff DeGraaf Meeting was called to order at 2:30 p.m.
2:35- 2:40 p.m.		Review of AMPP and NIA Anti-Trust Policies – Jeff DeGraaf Anti-trust policies were reviewed.
2:40 – 2:55 p.m.		Introductions: SC 27 Leadership, NIA Staff, and Attendees Committee members, leadership, AMPP staff, NIA staff, and guests introduced themselves.
2:55 – 3:00 p.m.		Staff Report/Membership Update – Brad Wilder The staff report/membership update was made. He referenced current committee membership numbers, updates to the AMPP member portal, and the date of the SC 02 meeting.
3:00- 3:15 p.m.		Understanding the Need for Mechanical Insulation Standards – Jeff DeGraaf, Scott Sinclair, Michael Pardo An introduction of NIA and its mission was presented along with the background of the AMPP/NIA agreement and formation of the joint AMPP/NIA SC 27 committee. The need for insulation standards was discussed. Attendees were asked to share “pain points” that they encounter with mechanical insulation systems. Discussion also included the need for assurances that these standards do not conflict with PIP standards.
3:15 – 4:40 p.m.		Standards Draft Development Process - Jeff DeGraaf, Scott Sinclair, Michael Pardo <ul style="list-style-type: none">• Development Methodology• Proposed Standards Drafting Process• Establishing SC 27 Committee Goals Leadership and NIA staff discussed how the standards would be developed. These standards will cover mechanical insulation – not ceilings, walls, etc. To organize the standards draft development, we will focus on temperature ranges. Standards will not conflict with manufacturers product guidelines. Top level standards will be developed with sub-standards included. A draft of a cryo standards was reviewed. It was discussed that the intent is to work with PIP and MICA to ensure there is no conflict with any of their recognized standards or documents.

		<p>Brad Wilder discussed AMPP's process - for voting, types of committee members, and balloting.</p> <p>J. DeGraaf explained the initial drafting will start with NIA and will include input from members (contractors, manufacturers, technical committee). SC 27 committee members may participate in this initial drafting process but only NIA members will vote on the final version to be submitted to NIA's Board for approval. Once Board approval is achieved, the draft will then be sent to AMPP for SC 27 review and comment. The committee will meet at least one more time in 2025, late August/early September. In the meantime, a survey will be sent out to assess "pain points" discussed during the meeting. The results of that survey will be discussed at the next meeting.</p>
4:40 - 4:45 p.m.		<p>Other Mechanical Insulation Standards Related Items</p> <p>No additional comments.</p>
4:45 - 5:00 p.m.		<p>Scheduling Next Meeting/Adjourn – Jeff DeGraaf</p> <p>The next meeting will be scheduled around late August/early September.</p>



STANDARDS COMMITTEES ATTENDANCE ROSTER

SC COMMITTEE CODE: 27 Mechanical Insulation (AMPP/NIA)

COMMITTEE CHAIR NAME: Jeff DeGraaf

MEETING DATE: April 9, 2025

Please return this roster to AMPPs
onsite Business Center or Staff Liaison

Privacy Notice

By checking the box next to your name and email you consent that the information provided will be shared with the committee and all relevant parent committees for the purpose of conducting official committee business. Additionally, your name will be recorded on the meeting minutes, which are available to all committee members. Your consent may be withdrawn by notifying the Standards Committee Chair, Vice Chair, or staff.

As an attendee of this meeting, you are in agreement that AMPP reserves the right to copyright any of its products, databases, audio/visual products or any other subject matter. AMPP is responsible for communication, publication, and distribution in order to protect its products regardless of the means of distribution in print, databases, electronically, or any other method. This is intended to protect AMPP from unauthorized reproduction, republication, or redistribution of AMPP IP, including altering or removing any trademark, copyright or other notice from such material. AMPP logos and all related trademarks, tradenames, and other intellectual property are property owned by AMPP and cannot be used in full or in part without express prior written permission. As a participant in AMPP technical committees, individuals agree that the collective work of the committee(s) is the property of AMPP. It is AMPP policy that the property rights of third parties shall be respected and not be infringed upon by AMPP employees, members, or other participants. This agreement is intended to achieve the core purpose and accomplish the mission of AMPP International and its members.

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Erica Schneider	eschneider@micgroupllc.	✓	✓	
Ron Douglas	rdouglase@scotainulation.com	—	—	

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Dan Aiken	daniel.aiken@rockwool.com	✓		✓

3:15
1:40
m.

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Name (original name)	Email	Join time	Leave time	Duration (minutes)	Guest	In waiting room
Kelly Heitman	kelly.heitman@ampp.org	4/9/2025 14:23	4/9/2025 16:04	102	No	No
David Shong		4/9/2025 14:24	4/9/2025 16:03	99	Yes	No
Rich Cleminson		4/9/2025 14:27	4/9/2025 16:02	96	Yes	No
Maryn Elliott (Maryn)		4/9/2025 14:31	4/9/2025 16:04	94	Yes	No
Troy Anderson		4/9/2025 14:34	4/9/2025 15:12	39	Yes	No
Melissa Williams (melissa.williams)		4/9/2025 14:37	4/9/2025 16:03	86	Yes	No
AMPP Staff	shari.goss@ampp.org	4/9/2025 14:40	4/9/2025 16:04	85	No	No
Thomas Addison-Smith (Thomas Addison-Smith - McDermott)		4/9/2025 14:55	4/9/2025 16:04	70	Yes	No
Nicole Barwick		4/9/2025 15:02	4/9/2025 16:03	61	Yes	No
Troy Anderson		4/9/2025 15:13	4/9/2025 15:16	3	Yes	No
Jim Lambert		4/9/2025 15:14	4/9/2025 16:02	49	Yes	No

Standards Committee SC 27: Mechanical Insulation

(AMPP / NIA Joint Committee)



SC 27: Mechanical Insulation

Mechanical insulation for industrial, commercial, marine, or consumer application. This includes mechanical insulation systems encompassing thermal, acoustical, and personnel safety requirements in: mechanical piping and equipment for hot and cold applications; heating, venting, and air conditioning (HVAC) applications, refrigeration and other low-temperature piping and equipment applications, and metal building insulation.

The following topics are not in the scope of this committee: corrosion under insulation, fireproofing other than thermal insulation used as fire protection, insulative coatings, fiber-reinforced polymer (FRP) in protective and structural applications, cathodic protection of insulated assets, pipeline protection, linings, and immersion service and subsea insulation.

SC 27: Mechanical Insulation

Committee Leadership

Chair: Jeff DeGraaf

Vice Chair: Scott Sinclair

Secretary: Michael Pardo

Total Membership	47
Voting Members	TBD
Observers	47

SC 27 Staff Support



AMPP Liaison

Brad Wilder

Brad.Wilder@ampp.org



NIA Liaison

Kristin V. DiDomenico

kdidomenico@insulation.org

Standards Program Updates

- Because of ongoing updates to AMPP's IT systems, committee membership requests are being processed by staff. Requests for membership should be emailed to standards@ampp.org

Stay up to date on the latest news at **AMPP.org/Standards**

STANDARDS

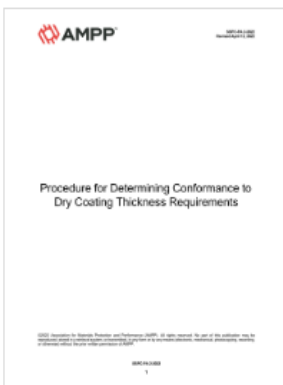
ACTIVE STANDARDS

HISTORICAL STANDARDS

ALL STANDARDS

VIS-GUIDES AND COMPARATORS

CITATION MANAGER



Procedure for Determining Conformance to Dry Coating Thickness Requirements

By [SC 23 - Coating System Application, Maintenance, & Inspection](#)

Standard Number: [SSPC-PA 2-2022](#)

AMPP

DOI: https://doi.org/10.5006/SSPC-PA_2-2022

No. of Pages: 36

Publication date: April 12, 2022

Versions Available:

[SSPC-PA 2-2015 \(Historical: Issued\)](#)

[SSPC-PA 2-2016 \(Historical: Editorial Revision\)](#)

[SSPC-PA 2-2017 \(Historical: Editorial Revision\)](#)

[SSPC-PA 2-2018-Portuguese \(Historical: Editorial Revision\)](#)

[SSPC-PA 2-2018 \(Historical: Editorial Revision\)](#)

[SSPC-PA 2-2022 \(Active: Revised\)](#)

[Access Standard File](#)

Email Alerts

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Content.AMPP.org

Scope and Rationale

This standard describes a procedure for determining shop or field conformance to a specified coating dry film thickness (DFT) range on ferrous and non-ferrous metal substrates using two types of nondestructive coating thickness gages (Type 1, magnetic pull-off, and Type 2, electronic) described in ASTM D7091.⁽¹⁾

NIA Annual Convention April 28-30

A promotional banner for the NIA 69th Annual Convention. The banner features a background image of the Grand Hyatt Scottsdale Resort, showing a large swimming pool, lounge chairs, and a golf course in the distance. The text is overlaid on the image in various colored boxes. At the top, a purple box contains the text "I'm attending!". Below that, a white box contains the NIA logo and the text "69th Annual Convention Scottsdale, Arizona" with a small cactus icon. At the bottom, a purple box contains the dates "April 28-30, 2025" and the location "GRAND HYATT SCOTTSDALE RESORT". A link to learn more is also provided.

I'm attending!

NIA | 69th Annual Convention
Scottsdale, Arizona 

April 28-30, 2025 | GRAND HYATT SCOTTSDALE RESORT
Learn more ► www.insulation.org/Convention2025



Conference Activities of Interest – Standards Meetings

Thursday

8:00 – 5:00 SC 02: External Coatings - Atmospheric



Conference Activities of Interest – Sessions

Thursday

- | | |
|---------------|---|
| 10:00 – 12:00 | Corrosion, Fatigue & External Stress Cracking Under Thermal Insulations - Part I |
| 1:00 – 3:30 | Corrosion, Fatigue & External Stress Cracking Under Thermal Insulations - Part II |

Thank you!



AMPP Standards Program Overview

What is a standard?



“A document that may provide the **requirements** for: a product, process or service; a management or engineering process; or a testing methodology



OMB Circular A-119:

“(1) Common and repeated use of **rules, conditions, guidelines or characteristics** for products or related processes and production methods, and related management systems practices.

“(2)The **definition** of terms; **classification** of components; **delineation** of procedures; **specification** of dimensions, materials, performance, designs, or operations; measurement of quality and quantity in describing materials, processes, products, systems, services, or practices; **test methods** and sampling **procedures**; or descriptions of fit and measurements of size or strength.



“A document, **established by consensus and approved by a recognized body**, that provides – for common and repeated use – **rules, guidelines or characteristics** for activities or for their results, aimed at the achievement of the optimum degree of order in a given context.

Who are these “recognized bodies” that develop consensus standards?

- Standards developing organizations (SDOs)
- Trade or labor associations
- Industry groups (consortia)
- Academic institutions
- Government agencies
- Consumer groups

A few ANSI accredited SDOs



WTO International Standards Principles

- AMPP's consensus standards development program is ANSI accredited
- Meets World Trade Organization's Technical Barriers to Trade Committee's Six Principles for the Development of International Standards:
 - Transparency
 - Openness
 - Impartiality & Consensus
 - Effectiveness & Relevance
 - Coherence
 - Development



AMPP Program

Standards Committees

The program currently has 27 standing standards committees comprised of Observers and Voting Members. **AMPP membership is not required to join.**

Each is led by:

- SC Chair
- SC Vice Chair
- SC Secretary

Leadership for an individual document is assigned to:

- Document Project Manager (DPM)

AMPP Global Center Board of Directors

Standards Program Committee

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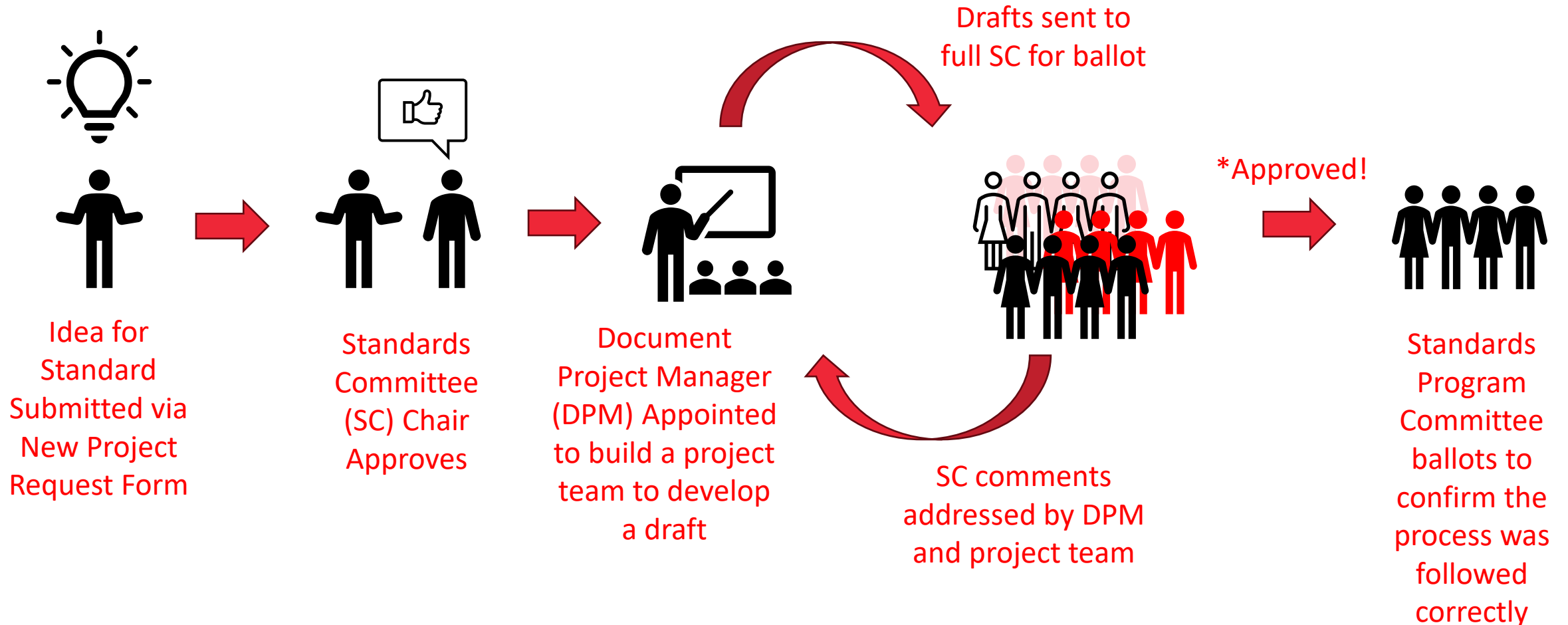
SC Member Roles and Responsibilities

Activity	Observer	Voting Member
Commenting on draft ballots	Optional	Optional
Adjudication of ballot comments	✓	✓
Attendance/Participation in SC meetings	Optional but recommended	✓
Participation on Standards Project Teams	Optional but recommended	Optional but recommended
Receive SC notifications	✓	✓
Propose new standards, guides, or reports	✓	✓
Deliver presentations to SC	✓	✓
Vote on standards within SC	✗	✓

Document Project Manager

- An individual appointed by an SC chair to lead the effort to take a standard through the development, balloting, and approval processes until publication.
- Ensures that a document progresses through all the steps to publication in a timely manner and in accordance with all AMPP processes and policies.

AMPP Standards Development Process



*SC Ballot Approved if: (1) >50% SC Votes (2) ≥75% Vote Affirmative (3) All comments adjudicated

Types of AMPP Standards



**STANDARD
PRACTICE
(SP)**



**TEST METHOD
(TM)**



**MATERIAL
REQUIREMENT
(MR)**



**GUIDES
(GUIDE)**



**TECHNICAL
REPORT
(TR)**

AMPP Standards Class Definitions

Standard Practice (SP):

Methods of selection, design, installation or operation of a material or system when corrosion is a factor

Test Method (TM):

Methods of conducting tests related to corrosion prevention and control

Material Requirement (MR):

Define the required or recommended characteristics of a material when corrosion is a factor in the selection, application, and maintenance of the material

AMPP Guides and Technical Reports

Guides (Guide):

Present the user with information about alternative procedures, materials, or technologies that enable the user to select the best option for a specific use. May be a set of instructions or organized information or directions to aid in preparing modified specifications.

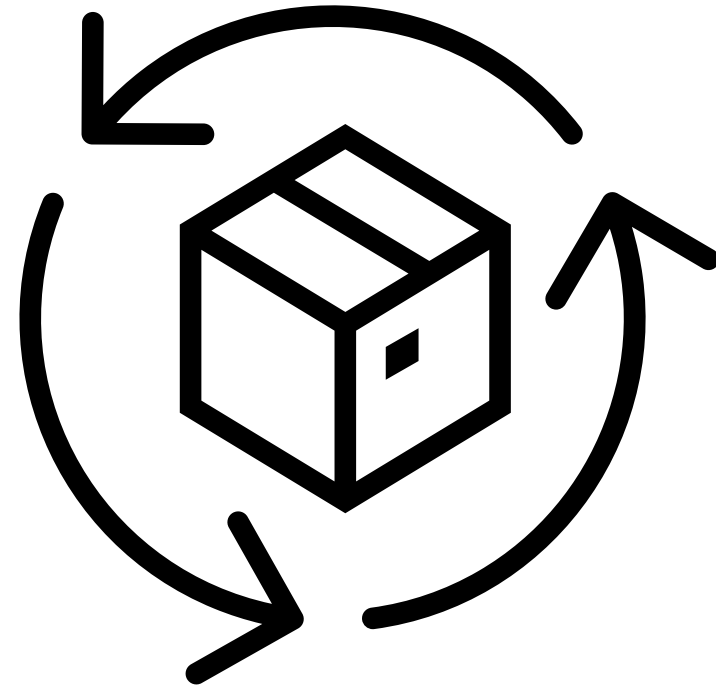
Technical Report (TR):

Documents of practice, procedures, and technologies and may contain recommendations to assist the user to make an informed decision based on the desired outcome.

Standards Program Committee (SPC)

Standards Program Committee

- Provides strategic direction
- Ensures effective and efficient development of standards and procedural quality
- Maintains robust new business development plan
- Develops recommendations for improving AMPP's standards program



JOINT NIA/AMPP SC 27 MEETING

AMPP Annual Conference & Expo
Wednesday, April 9, 2025
2:30-5:00 p.m. CT
Nashville, TN

NIA | National Insulation
Association®

THE VOICE OF THE INSULATION INDUSTRY™



NIA & AMPP Antitrust Guidelines

- **NIA (included with agenda)**

- No individuals shall enter into any understanding, agreement, plan, or scheme, whether express or implied, informal or formal, oral or written, with any competitor with respect to prices, terms or conditions of sale, output, production, distribution, territories, or customers. Foundation policy absolutely prohibits any consultation between competitors relating to prices or terms and conditions of sale.

- **AMPP Policies and Procedures**

- SC members accept and follow the policies outlined in the AMPP and AMPP Global Center Policies and Procedures Charter (latest version) which includes but is not limited to the Code of Ethics; Antitrust and Rules of Antitrust Compliance; Conflict of Interest; Intellectual Property: Logo, Business Card, Copyright, Patent, and Trade Names.

SC 27 Leadership



**Jeff DeGraaf, Chair
NIA Consultant**



**Scott Sinclair, Vice-Chair
Johns Manville**



**Michael Pardo, Secretary
S&B Engineers and Constructors**

NIA Support Staff



Michele M. Jones
NIA Executive Vice
President/CEO



Kristin V. DiDomenico
NIA Vice President

National Insulation Association (NIA)

About NIA

- 72-year-old non-profit organization, funded by members
- Represents all facets of the industrial and mechanical insulation industry
 - Distributors, contractors, fabricators, metal building laminators, and manufacturers
- 300 member companies

New Mission Statement

NIA's mission is to increase the success and professionalism of its insulation industry membership through:

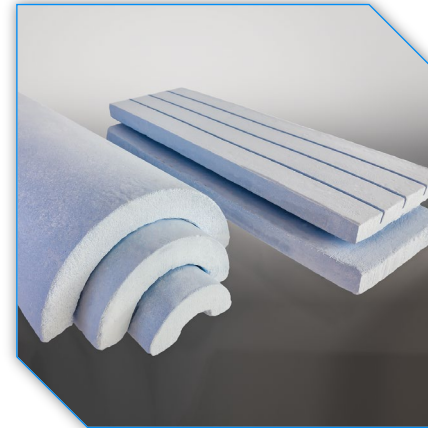
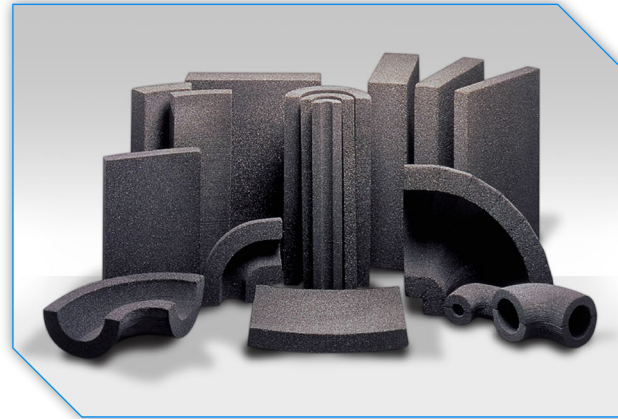
- Strengthening and developing the industry with education, training, and advocacy;
- Promoting and elevating the image and value of the industry;
- Serving as the resource to exchange and communicate industry information; and
- Providing effective industry representation of our membership.

NIA Signs Joint Standards Development Agreement with AMPP – March 5, 2024

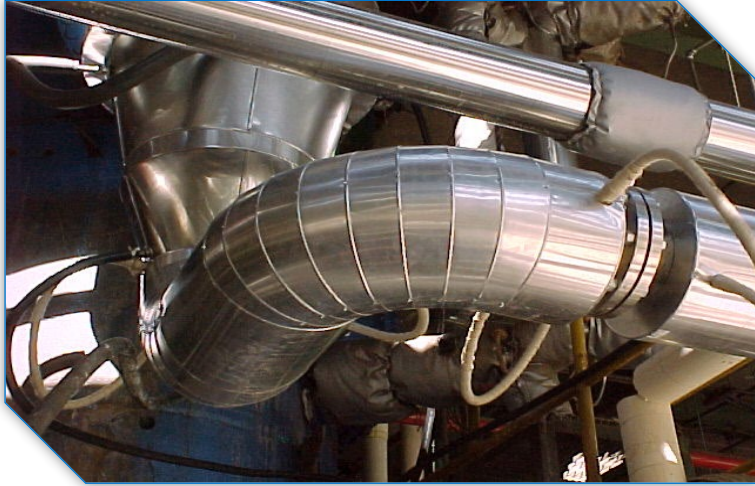


The agreement is designed to facilitate joint standards development in areas related to mechanical insulation in the commercial and industrial markets. It encompasses thermal, acoustical, and personnel safety requirements in mechanical piping and equipment in hot and cold applications; heating, venting, and air conditioning (HVAC) applications; refrigeration and other low-temperature piping and equipment applications; and metal building insulation. NIA is an authority in the mechanical insulation sector and AMPP aims to foster a unified approach to industry standards and elevate corrosion control standards.

Defining Thermal/Mechanical Insulation



Defining Thermal/Mechanical Insulation



Mechanical Insulation is defined to encompass all thermal, acoustical, and personnel safety requirements in industrial and commercial markets:

- **Mechanical piping and equipment, hot and cold applications (Cryogenic to 1,500°F)**
- **Heating, ventilation, and air conditioning (HVAC) ductwork applications**
- **Refrigeration and other low-temperature piping and equipment applications.**

Objective of SC 27/Insulation Standards

To develop and maintain standards, guides, and reports related to mechanical insulation for industrial, commercial, and marine, application.

This includes mechanical insulation systems encompassing thermal, acoustical, and personnel safety requirements in mechanical piping and equipment for hot and cold applications; heating, venting, and air conditioning (HVAC) applications, refrigeration and other low-temperature piping and equipment applications, and metal building insulation.

The following topics are not in the scope of this committee:

- corrosion under insulation, fireproofing other than thermal insulation used as fire protection, insulative coatings, fiber-reinforced polymer (FRP) in protective and structural applications, cathodic protection of insulated assets, pipeline protection, linings, and immersion service and subsea insulation.

Standards Development Process Suggestion (subject to change)

System Installation by Temp Range

Standards

-50 F and Below

Insulation Materials

Cryogenic installation

Expansion/Contraction joints

Vapor Stops

-49 F to 50 F

Vapor Retardant Jackets

Low Temperature installation

Jacketing/Weather Barriers

Securement Methods

51 F to 450 F

Pipe Supports

Intermediate Temperature installation

Flanges and Valves

Protrusions

451 F to 1500 F

Caulk and Mastics

High Temperature installation

Removable Reusable

Adhesives/Sealants

1501 F and Above

THANK YOU

Jeff DeGraaf
NIA Consultant/SC 27 Chair
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