

Spray Foam Coalition: Industry Update

Xuaco Pascual, Honeywell
SFC Leadership Committee Member



Spray Foam Coalition

The background of the slide is a photograph of a construction site. It shows a wooden frame with several diagonal bracing members. The spaces between the wood are filled with a white, fibrous material, likely insulation. The lighting is somewhat dim, and the overall tone is warm and slightly grainy.

The core mission of the SFC is to champion the use of spray polyurethane foam in U.S. building and construction applications; to promote its economic, environmental and societal benefits; to provide a forum to help shape public policy on issues critical to the industry; and to support the safe manufacture, transport, and application of spray polyurethane foam.

Spray Foam Coalition

- Accella Polyurethane Systems
- Air Products and Chemicals*
- Arkema*
- BASF
- Chemours*
- Clayton Corporation
- Covestro
- Demilec USA
- Dow Building Solutions
- Elastochem
- Evonik*
- Foam Supplies, Inc.
- Gaco Western
- General Coatings
- Graco, Inc.*
- Henry Company
- Honeywell*
- Huntsman International
- ICL-IP*
- Icynene Inc.
- Johns Manville
- Lapolla Industries
- NCFI Polyurethanes
- SES Foam
- Solvay Fluorides*
- Stepan*
- SWD Urethane
- Volatile Free Inc.
- Wanhua Chemical (America)*

*Associate Member
SFC Leadership Committee

SFC Code of Conduct



California Safer Consumer Product Regulations



- “SPF with Unreacted Isocyanates” identified as potential Priority Product.
- Focus: Worker exposure to isocyanates during applications.
- Industry opposed to Priority Product listing: Existing occupational regulations and industry training/product stewardship protect workers.
- Supporting California insulation contractors.

California Safer Consumer Product Regulations

Part #1

Candidate
Chemical List

Part #2

Priority Product
Identified by
Regulation

Part #3

Alternatives
Analysis

Part #4

Regulatory
Response

Proposed rule does not restrict use of
spray foam products.

Product Innovation: Low-GWP Formulations

- End user demand for products with reduced environmental impacts.
- Spray foam industry substituting new low-global warming solutions for existing HFCs.
- Regulatory action at various levels: Montreal Protocol; U.S. EPA; Environment and Climate Change Canada.
- Transition underway for both high-pressure and low-pressure products.

U.S./Canada HFC Regulations

Product Type	U.S. EPA ^{1,2} (134a; 245fa; 365mfc;227ea; Formacel; blends)	Environment Canada (HFC or blend w/ GWP >150)
High-Pressure SPF	January 1, 2020	January 1, 2021*
Low-Pressure SPF (2-component)	January 1, 2021	January 1, 2021*
One-Component Foam	January 1, 2020	January 1, 2019*
Other Rigid Foam Products	January 2017-2021	January 1, 2021*
Other Foam Products	January 2017-2020	January 1, 2019*

Notes:

1. EPA finalized Rule 21 on September 26, 2016. EPA previously published final Rule 20 in July 2015 that finalized use restrictions for other rigid foam and foam products.
2. EPA regulations may be subject to narrow use exceptions for military, space, and aeronautic applications.
3. (*) Indicates proposed deadline.

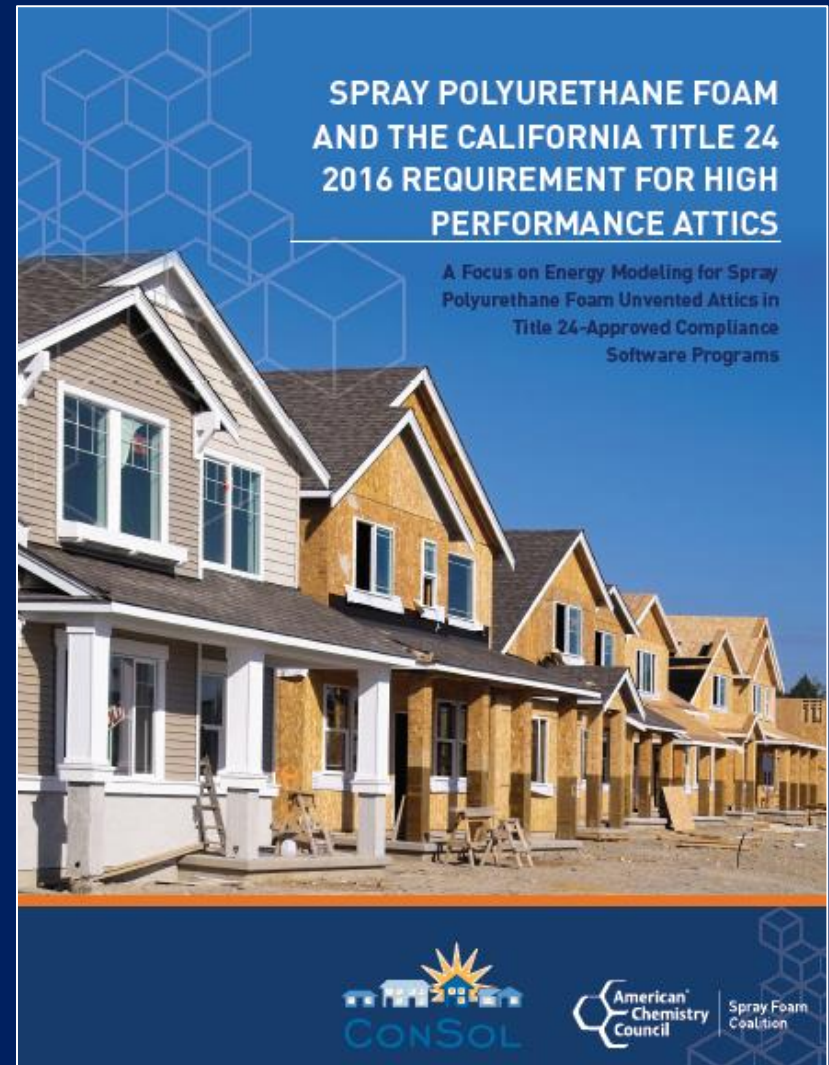
Building Energy Codes

The background of the slide is a photograph of a residential building under construction. The building has a multi-gabled roof with brown shingles. The exterior walls are a mix of light-colored horizontal siding and brown vertical siding. Several windows with white frames are visible. In the foreground, there is a dirt area with construction materials, including wooden planks and sawhorses. A semi-transparent white rectangular box is overlaid on the image, containing the title and the bulleted text.

- Growth in performance-based energy code compliance (e.g., HERS, CA Title 24).
- Increased attention on HERS points or compliance margins = Greater emphasis on accurate software tools.
- SFC reviewing popular modeling tools to verify that modeled savings match field data.

Example: Title 24 Guidance

- Step-by-step instructions for modeling high-performance attics.
- Tools: EnergyPro and CBECC-Res
- A Typical CA Home: R-28 SPF unvented attics outperforms 2013 prescriptive requirements by 10.8%.





SAVE THE DATE

Join leaders in the insulation industry at the **2017 International Builders' Show** for lunch and an afternoon of engaging speakers on Spray Polyurethane Foam.

WHERE?

International Builders' Show
Hyatt Regency Orlando
Plaza Ballroom D-E

WHEN?

Tuesday, January 10, 2017
Begins at 11:30 AM
(Lunch Served)



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Sign up here for additional event details:
<http://whoozin.com/sprayfoam>

WHO SHOULD ATTEND?

- Builders
- Product Distributors
- Construction Specifiers
- Architects
- Designers

EXPERT PRESENTATIONS TO INCLUDE:

- Industry overview
- Building energy efficiency
- Product innovations
- Product stewardship programs
- And more!

Event sponsored by:



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