

ROOFING CEU TOPICS

Provider: Johns Manville – K022

Program: BURS I – LL SP
BURSI – LL BS
BURSI – LL SSD
BURSI – LL ICB
BURSI – 1HR LL

Length: 1.0 Hour each;
1.0 LU|HSW

**Available Topics
(choose one):**

1. Single Ply Systems (History, properties, installation, and characteristics of PVC, TPO, EPDM): BURS I – LL SP

- Introduction to the different Material Types, properties and characteristics of TPO, PVC and EPDM roofing membranes.
- Gain a better understanding of the different system applications and performance characteristics.
- Identify the flashing designs for the different roof assemblies available.
- Have the ability to match system and installation methods when considering which system would best fit your design criteria.

2. Bituminous Systems (History, properties, installation and characteristics of BUR, SBS, APP): BURS I – LL BS

- Introduction to the different Material Types, properties and characteristics of SBS and APP roofing membranes.
- Gain a better understanding of the different system applications and performance characteristics.
- Identify the flashing designs for the different roof assemblies available.
- Have the ability to match reinforcement characteristics with the correct installation methods when considering which system would best fit your design criteria.

3. System Selection and Design Criteria (Wind uplift, energy efficiency, code requirements, overview of 6 primary membranes):

BURS I – LL SSD

- Gain a better understanding of what questions to ask during the design phase of a roofing project.
- Understand the difference between wind speed and wind uplift

and gain an appreciation for factors that influence wind uplift calculations.

- Review benefits and drawbacks of cool roofing design.
- Review primary code considerations and how different roofing materials can meet specific requirements.
- Strengths and weakness of low slope roofing solutions.

4. Insulation and Cover Boards (Polyiso, perlite, HD polyiso, gypsum, tapered insulation, energy conservation, moisture condensation): BURS I – LL ICB

- Gain a better understanding of both high density and low density roofing insulation
- Review thermal resistance design along with dew point calculation.
- Comparative analysis of all primary low slope roofing insulations and coverboards.
- Tapered insulation overview and system design.

5. Staying Up to Date with Low Slope Roofing: Trends, Standards and Innovations: BURS I – 1HR LL

- Review the benefits of the different roofing solutions available while gaining an understanding of the trends in the market for each and how they could impact your system selection.
- Learn about ASCE 7, minimum design loads for buildings and other structures. How this standard has changed with the release of ASCE 7-16 and how roof design is impacted.
- Gain a better understanding of FM's Very Severe Hail rating, where and why this is critical for roof design and how to identify roofing systems that meet this rating.
- Come up to speed on the most recent best practices and innovations for low slope roofing. Understand how these are changing the design and installation of these systems.

Target Audience:

Architects and design professionals involved with the preparation of CAD documents, specifications and project management.

Cost:

N/A; There is no cost to bring this program into a firm or chapter meeting.