



Dimensional Shingles, Low-Slope Mod Bit and EPDM Roofing

Course Outline

By

Casey O'Malley Associates

Course description:

This two-hours session will cover dimensional shingle, modified bitumen and EPDM roofing in an easy to understand format. Seasoned inspectors typically know the basic items to look for; but did you ever wonder; what actually are dimensional shingles? What is the difference between rolled composition and modified bitumen? Additionally, we will discuss modalities and evidences of failures and/or improper installations and review several actual case studies. Our emphasis will be the fundamentals of inspection standards of practice with respect to roofs, and we will delve into the proper application of these roofing materials and common failure with respect to installation, weather wear and mechanical damage.

Goal:

Upon completion of this class, students will be more knowledgeable regarding the installation, inspection and evaluation of dimensional shingle, mod bit and EPDM roofing and the various related systems and components with application to residential inspection. Students will also be more knowledgeable regarding the appropriate conditions observed that warrant recommendation of further analysis.

Learning Objectives:

Upon completion of the course students will be able to demonstrate a working knowledge of:

1. Nomenclature specific to dimensional shingle, modified bitumen and EPDM roofing installations and their relation to Home Inspection
2. Identify Components and proper installation with respect to these roofing systems
3. Identify Modalities and evidences of failure; installation, weathering and mechanical damage
4. Common "defects" and recognition/reporting



Books and Handouts:

PowerPoint Presentation by Michael Casey

Evaluation:

Class participation

Draft Abstract:

This session will cover Dimensional Shingles, Low Slope Modified Bitumen Built-Up and EPDM roofing inspection. Attend this session to learn the difference between dimensional and three-tab shingles, why Mod Bit beats Rolled Comp and what the heck is EPDM?

Class Schedule

Timing: 2 hours

Class Presentation: Powerpoint presentation

Timed Outline:

Standards and inspection requirements 10 minutes

Terminology 10 minutes

Parts of a roof system 10 minutes

Installation Basics and Details 30 minutes

Roof Penetration details 20 minutes

Typical defects and recognition 30 minutes

Q&A 10 minutes

Speaker Bio:

TBD