

CEU NATURAL STONE



OFFERINGS



	AIA	IDCEC	LACES	NKBA	GBCI
Achieving Green Building Goals with Natural Stone	★	★	★	★	★
Art of Specifying Natural Stone	★	★	★	★	
Natural Stone vs. Manmade Materials: EXTERIOR Applications	★	★	★	★	
Natural Stone vs. Manmade Materials: INTERIOR Applications	★	★	★	★	
Natural Stone Tile: an overview	★	★	★	★	
Natural Stone Principles	★	★	★	★	
TRAVERTINE	★	★	★	★	
Rethinking Marble: a material from the past for future environments		★		★	
Stonecare: what you should know	★	★	★	★	

COMING SOON

All above CEUs above are 1 Learning Unit (60-minute seminar), HSW approved. Can be presented via webinar or face-to-face.



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ACHIEVING GREEN BUILDING GOALS WITH NATURAL STONE

ABOUT THIS CLASS

Natural stone is nearly complete as a building material in its natural state and has proven its durability over the centuries. Combine these attributes with knowledge that the industry has committed to lowering impacts, being socially responsible, and aligning with green building programs. Most design teams already agree that natural stone is inherently a great solution for projects with green building goals. This session will elaborate on why and show you where to find the documentation needed to check more boxes than you might have realized were possible with natural stone.

LEARNING OBJECTIVES

1

Learn what inherent attributes make natural stone an easy option for sustainability goals such as: natural single-ingredient material, no VOCs, low embodied energy.

2

Explore best practices in the natural stone industry that address land impacts, excess materials, responsible manufacturing, and reducing our carbon footprint.

3

Find out how to source sustainably produced natural stone, what material is available locally, and how to incorporate these details into your specification.

4

Identify credits available through common green building programs that natural stone can help satisfy.



Course Number:
NSI76
1 LU | HSW

Course Number:
CEU-119277
Subject Code: 5.1
0.1 HSW CEU

Course Number:
NSI45
1.0 HSW PDH

0.1
CEU

Course Number:
920024694



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ART OF SPECIFYING NATURAL STONE

Course description

This one hour session is designed to give architects and designers an overview of how to specify natural stone. There are many factors to consider to ensure you are choosing the proper material for your project. What do you need to know about its species, color variations, and finish possibilities? Is the quarry able to produce the sizes and quantities you need? And finally, what factors affect the price of the stone you specify? Get the resources you need to help ensure the stone you choose meets the standards and design intent set for your application.

LEARNING OBJECTIVES

1

Discuss the responsibilities and liabilities of each pillar in the typical construction project.

2

Review resources to find more information about natural stone standards.

3

Learn how to plan for the longevity of an installation by specifying appropriate materials.

4

Evaluate factors specific to the price of different materials, finishes and methods.



Course Number:
NSI13
1 LU | HSW

Course Number:
CEU-119280
Subject Code: 6.1
0.1 HSW CEU

Course Number:
NSI13
1.0 HSW PDH

0.1
CEU



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NATURAL STONE VS. MANMADE MATERIALS: EXTERIOR APPLICATIONS

COURSE DESCRIPTION

Natural stone has been the premier building material of choice throughout history, thanks to its durability and timeless aesthetic. Inherently beautiful and versatile, it's no wonder that manmade materials aim to replicate its attributes, appearance and ultimately its desirability.

This course will compare the versatility, performance characteristics, and green building considerations for both natural stone and manmade materials. Understanding these key points will prepare you with knowledge for design concepts, applications and how to educate the consumer.

Styles change from season to season, but mother nature creates unique designs in natural stone that are historically innovative and always on trend.

LEARNING OBJECTIVES

1. Define and explain attributes to understand what can affect the performance of both natural stone and manmade materials in exterior applications.
2. Compare and contrast the attributes and installation capabilities of natural stone and manmade materials to understand the optimal building material choice for project design and installation.
3. Discuss common green building considerations for these materials, including embodied energy, potentially harmful ingredients, and land impacts.
4. Learn which innovative design trends can be satisfied using natural stone, including biophilic design, complex geometries, and textures, to offer the consumer both creative and aesthetic opportunity.



Course Number:
NSI47
1 LU | HSW



Course Number:
CEU-115832
Subject Code: 5.3
0.1 HSW CEU



Course Number:
NSI47
1.0 HSW PDH



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CEU



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NATURAL STONE VS. MANMADE MATERIALS: INTERIOR APPLICATIONS

COURSE DESCRIPTION

Natural stone has been the premier building material of choice throughout history, thanks to its durability and timeless aesthetic. Inherently beautiful and versatile, it's no wonder that manmade materials aim to replicate its attributes, appearance and ultimately its desirability.

This course will compare the versatility, performance characteristics, and green building considerations for both natural stone and manmade materials. Understanding these key points will prepare you with knowledge for design concepts, applications and how to educate the consumer.

Styles change from season to season, but mother nature creates unique designs in natural stone that are historically innovative and always on trend.

LEARNING OBJECTIVES

1. Define and explain attributes to understand what can affect the performance of both natural stone and manmade materials in interior applications.
2. Compare and contrast the attributes and installation capabilities of natural stone and manmade materials to understand the optimal building material choice for project design and installation.
3. Discuss common green building considerations for these materials, including embodied energy, potentially harmful ingredients, and land impacts.
4. Learn which innovative design trends can be satisfied using natural stone, including biophilic design, complex geometries, and textures, to offer the consumer both creative and aesthetic opportunity.



Course Number:
NSI48
1 LU | HSW



Course Number:
CEU-115835
Subject Code: 5.3
0.1 HSW CEU



Course Number:
NSI48
1.0 HSW PDH



0.1
CEU



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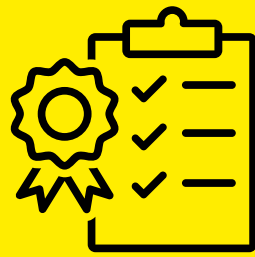


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NATURAL STONE PRINCIPLES



COURSE DESCRIPTION

This one-hour course is your introduction to using natural stone as a building material. By reviewing the fundamentals of its formation and mineral composition, you will gain confidence in specifying this versatile material.

Let us open your eyes to the endless possibilities for these beautiful, durable and valued natural stones.



LEARNING OBJECTIVES

1. Discuss our innate connection to Mother Nature's oldest building material.
2. See the journey stone takes from quarrying, to fabrication, to final installation.
3. Understand how mineral composition and formation determine stone type, fundamental properties and applications.
4. Be inspired by traditional and innovative uses of natural stone in the built environment.



Course Number:
NSI50
1 LU | HSW



Course Number:
CEU-113392
Subject Code: 5.1
0.1 HSW CEU



Course Number:
NSI50
1.0 HSW PDH



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NATURAL STONE TILES AN OVERVIEW

COURSE DESCRIPTION

This one hour course will familiarize design professionals with the resources available for installation methods and specifying standards for natural stone tile. We will review the characteristics of natural stone in order to understand how they might affect your project. See examples of common stone tile failures and discuss the best practices to ensure a successful installation.

LEARNING OBJECTIVES

- 1 Understand the basic stone types and methods of formation
- 2 Gain an understanding of the key aspects of Stone Tile Specification as introduced in the 2011-12 TCNA Handbook, ANSI A 108/A118, and the Natural Stone Institute Dimension Stone Design Manual 7.2
- 3 Understand how the intricacies of Stone Tile Installation can impact your project
- 4 Learn key differences between the installation of Stone Tile and Ceramic/Porcelain Tile



Course Number:
NS146
1 LU | HSW



Course Number:
CEU-105871
Subject Code: 5.8
0.1 HSW CEU



Course Number:
NS180
1.0 HSW PDH



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TRAVERTINE

PROGRAM OUTLINE

This one-hour class is designed for design professionals to gain a full understanding of travertine as a building material. Learn more about how to select this natural stone for a variety of interior and exterior applications. Gain an understanding of how travertine is fabricated and its unique application opportunities to enhance your design plans. Obtain information about setting the proper consumer expectation in regards to installation and maintenance.

LEARNING OBJECTIVES

1. Learn about the travertine selection process and how to identify quality material.
2. Obtain information on travertine uses and limitations in both interior and exterior settings.
3. Gain an understanding about how travertine is fabricated and installed.
4. Learn about how to maintain and care for travertine after it has been installed.



Course Number:
NSI84
1 LU | HSW



Course Number:
CEU-106088-R1
Subject Code: 5.3
0.1 HSW CEU



Course Number:
NSI39
1.0 HSW PDH



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COMING SOON

RETHINKING MARBLE

... a material from the past for future environments

COURSE DESCRIPTION

This course provides a comprehensive overview of marble, from its natural formation to its applications in construction and design.

Participants will explore marble's journey from raw blocks to slabs, tiles, and architectural elements, uncovering creative design opportunities, including pairing marble with other materials and utilizing various finishes.

Through real-world examples, attendees will learn how marble addresses construction challenges while delivering timeless elegance, versatility, and sustainability.

By the end, participants will be equipped to effectively incorporate marble into their professional projects to create stunning and unique designs with a material that has been used for thousands of years.

Learning Objectives

1

THE MARBLE JOURNEY

Understand the journey of marble from its origin to the plant for further processing.

2

PROCESSING METHODS

Learn the detailed process of transforming marble blocks into slabs, tiles, and architectural elements.

3

AESTHETICS

Explore the design possibilities offered by various types of marble and gain insight into different finishes and their applications in construction & design.

4

MARBLE WITH OTHER MATERIALS

Learn how marble pairs with other materials to enhance traditional and modern designs, adding beauty and versatility while addressing construction challenges.



Course Number:
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1 LU | HSW



Course Number:
CEU-XXXXX
Subject Code: 5.3
0.1 HSW CEU



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STONE CARE

WHAT YOU SHOULD KNOW

COURSE DESCRIPTION

This one hour course will give design professionals a general understanding of natural stone and the best practices for care and maintenance. Find out what to expect from a stone sealer in both interior and exterior applications and discover the truth about when to seal and when not to seal. Discuss the chemical make-up of different types of cleaners and how they can affect the longevity of your stone installation.



LEARNING OBJECTIVES

- Gain a basic understanding of natural stone and how their chemical composition affects their performance.
- Analyze different types of natural stone sealers and cleaning products and what to expect from them.
- Determine the proper care & maintenance products to use for: flooring, countertop, exterior cladding, or shower applications.
- Identify common problems with porous materials.



Course Number:
MIA08
1 LU | HSW



Course Number:
CEU-106466
Subject Code: 5.3
0.1 HSW CEU



Course Number:
MIA08
1.0 HSW PDH



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