



Mid America Tile proudly partners with the following manufacturers to offer Continuing Education Credits.

Vendor	Topic	Overview/Summary	Objectives	Credits
Florida Tile	The Timeless Look of Natural Stone	<p>Durable natural stone tile has been used for centuries as a quality finish in buildings. Stone is used in a variety of applications from rustic cabins to minimalist modern interiors and can be specified in many sizes, shapes and colors. From sedimentary to metamorphic, this presentation reviews the differences between sedimentary, igneous and metamorphic stone products including the differences between travertine and marble. An overview of numerous finishes, installations and appropriate maintenance techniques will provide information on how to select the right stone for any surface. Honed, tumbled, polished, split faced, brushed are just some of the finishes explained and illustrated in this presentation. This overview demonstrates why stone has numerous environmental benefits to architects who design buildings that are long lasting.</p>	<ul style="list-style-type: none"> • Distinguish between different types of stone and how they are formed • Discuss methods of stone finishing that gives different surface looks. • Explain the basics of selecting, installing and maintaining different types of stone. • Specify the use of stone as an environmental choice for green buildings. 	1.00 HSW
Florida Tile	Know your Porcelain	<p>Porcelain tile is beautiful, strong, durable and an ideal surface in commercial as well as residential applications. Certified porcelain excels as a versatile finish material both indoors and out from kitchens to baths, poolside to hospital hallway. Porcelain tile meets universal design and this presentation will review the latest information on using the dynamic coefficient of friction (DCOF) vs. the static coefficient of friction (SCOF) for tile surfaces that meet ADA criteria. Architects will review the manufacturing of tiles, the use of recycled content, tile grading, markings and tile applications. Numerous examples of the different types of porcelain will expand the architect's design toolkit. Mastering the art of selecting and specifying porcelain tile, architects can comfortably choose porcelain tile to provide durability and sustainability to their projects.</p>	<ul style="list-style-type: none"> • Define what makes a tile porcelain and what "Certified Porcelain" means • Identify different types of porcelain tiles • Discuss how porcelain tiles are manufactured • Analyze the technical specifications listed for porcelain tile in marketing materials 	1.00 HSW

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Florida Tile	Healthy Indoor Air by Design	<p>This basic level course is designed to communicate the importance of indoor air quality (IAQ) and empower architects, designers and specifiers to employ strategies to improve the IAQ in the spaces they are creating. The course includes background on the impact of indoor air pollution on human health and economics. Participants will learn to identify sources of indoor air pollutants, illustrated by several case studies that highlight the effects of controlling, versus not controlling, IAQ at the design phase of building construction. Emphasis will also be placed on how participants can incorporate good IAQ principles into sustainable building projects.</p>	<ul style="list-style-type: none"> • Understand the impact of indoor air pollution on human health • Identify sources of pollutants; view several case studies of the effects of controlling versus not controlling indoor environmental quality at the design phase of building construction • Learn the value of selecting certified low emitting products as a proven method for controlling VOC emissions that invade indoor environment 	1.00 HSW

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Johnsonite	<p>The Language of Color</p> <p>AIA Course # COLORS</p> <p>IDCEC Course # CC-102010-XXXX</p>		<ul style="list-style-type: none"> • What is color? • How the human eye perceives color • How our perception of color influences the colors we see • The language of color: notation, order or both • Numerical standards + colorimetry = a common and precise color language 	<p>AIA: 1.00 LU</p> <p>IDCEC: 0.1 HSW</p>
Johnsonite	<p>Sustainability: An Everyday Practice, Not Just an Idea</p> <p>AIA Course # SUST15</p> <p>IDCEC Course # CC-102323-XXXX</p> <p>USGBC # 0090004978</p>	<p>Describes key criteria for comparing flooring products and selecting products that address the Triple Bottom Line, to minimize environmental impact, maximize economic benefits, and create a people-friendly space that increases health and productivity. The program will also address the sustainability advantages of resilient flooring applications.</p>	<ul style="list-style-type: none"> • Broaden the understanding of Triple Bottom Line and Balanced Choice • How to focus on Reduce-Reuse-Recycle when considering flooring selections • How flooring relates to Health-Safety-Welfare in the context of sustainability • How sustainable flooring choices impact the bottom line • Challenges when selecting sustainable flooring • Clarification of organizations and certifications working to compare/contrast green products • Review sustainability advantages of resilient flooring products 	<p>AIA: 1.00 LU/HSW</p> <p>IDCEC: 0.1 HSW_Sustainability</p> <p>USGBC: 1.00 GBCI CE Hour</p>
Johnsonite	<p>New Sustainable and Aesthetic Options in Finishing Borders (Wall Base)</p> <p>AIA Course # FINBORDERS14</p> <p>IDCE Course # CC-102324-XXXX</p>	<p>This course will cover wall base options that provide the desired aesthetic, performance ability, budgetary demands and that can contribute toward the project's sustainability objectives, wherever the walls meet the floor.</p>	<ul style="list-style-type: none"> • Explain the difference between toe and toeless styles of wall base and identify the applications for which each is best suited • Compare popular wall base materials in terms of performance, sustainability, and cost • Consider new bio-based and wood alternative wall base solutions for healthcare and commercial applications • Specify the wall base that best meets the aesthetic, performance and sustainability demands of the project 	<p>AIA: 1.00 LU</p> <p>IDCEC: 0.1 L</p>

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Johnsonite	Transparency in Sustainability AIA Course # TRANS14 IDCEC Course # CC-103381-XXXX USGBC # 920000071	Explain the Environmental Product Declarations (EPDs) and material disclosure tools and their limitations. Participants will learn to identify certifications of resilient flooring and understand EPD's and disclosure tools along with their limitations and health hazards.	<ul style="list-style-type: none"> Identify the certifications that verify a resilient flooring product is compliant with the emissions testing standard referred to as CA 01350 Explain the differences between Environmental Product Disclosures (EPDs) and various material disclosure tools Describe the current limitations of both EPDs and material disclosure tools in being used as a platform to compare the environmental impact or health hazards represented by different products Recognize what certifications for resilient flooring products are required to satisfy certain credits in LEED 2009 and what new type of disclosure format has been approved as a way to satisfy certain requirements in LEED v4 	AIA: 1.00 LU/HSW IDCEC: 0.1 HSW_Sustainability USGBC: 1.00 GBCI CE Hour
Johnsonite	Designing Memory Care Facilities AIA Course # MEMCARE14 IDCEC Course # CC-103671-XXXX		<ul style="list-style-type: none"> Explain how design can better accommodate the memory loss, cognitive decline and behaviors commonly caused by Alzheimer's disease and dementia and improve overall quality of life for residents with these conditions Equip interiors to manage potential environmental triggers, such as light and sound, to reduce agitation and aggressive episodes experienced by those with Alzheimer's disease and dementia Design spaces so that they are more easily seen and understood by residents with Alzheimer's disease and dementia Create interior environments that promote safe ambulation and exploration 	AIA: 1.00 LU/HSW IDCEC: 0.1 HSW

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Johnsonite	<p>The New Paradigm in Healthcare</p> <p>AIA Course # PARADIGM15</p> <p>IDCEC Course # CC-104379-XXXX</p>		<ul style="list-style-type: none"> Learn about the legislation and compliance changes facing today's healthcare business Discover what patient centered care means to both healthcare providers and healthcare consumers Explore the changes in healthcare design, property development and construction Discuss the important role that group purchasing organizations now play in the healthcare supply chain Review the Triple Aim and learn how it's relevant to different client audiences Learn how flooring supports patient centered care in healing environments 	<p>AIA: 1.00 LU/HSW</p> <p>IDCEC: 0.1 HSW</p>
Johnsonite	<p>Improving Indoor Air Quality in the Built Environment</p> <p>AIA Course # IAQ15</p> <p>IDCEC Course # CC-104378-XXXX</p> <p>USGBC Course # 0920005159</p>		<ul style="list-style-type: none"> Understand how IAQ is measured and the impact it has on occupants List contributing factors to poor IAQ both during construction and after occupancy Discuss how improving IAQ requires a specific strategy that includes material and product selection Explain the importance of selecting flooring materials and systems that promote improved IAQ 	<p>AIA: 1.00 LU/HSW</p> <p>IDCEC: 0.1 HSW</p> <p>USGBC: 1 GBCI CE Hours</p>
Mapei	<p>Multi-Purpose Thin-Set Mortar Myth</p> <p>MAP001</p>	<p>An explanation of the differences in thin-set mortars, and how they apply to ANSI A118.1 and ANSI A118.4. Participants will also be taught the difference between acrylics and why they are needed for various types of ceramic tile and stone installations.</p>		1 LU & 1 HSW Credit
Mapei	<p>Concrete Restoration Basics</p> <p>MAP003A</p>	<p>An explanation of concrete and the thought process of diagnosing, repairing, protecting and enhancing concrete structures. The program will address the basic components of concrete, how varying components can drastically affect the finished products, and the effects of the environment and installation practices on the quality and longevity of concrete.</p>		1 LU & 1 HSW Credit

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Mapei	General Surface Preparation MAP005	An explanation of industry standards and guidelines regarding substrate preparation for installation of concrete-based underlayments and toppings. These may be finished floor systems (toppings) or be part of a system prior to subsequent installations of ceramic, resilient, VCT or other finished floor installations. Participants will be exposed to the correct process of inspecting a substrate to determine required preparation (repairs), moisture vapor emission analysis and testing methods, and methods of mechanical preparation prior to the installation of an underlayment or topping.		1 LU
Mapei	Grouting for Success MAP006	An explanation of the differences in grouts, and how industry standards apply to them. Participants will also be taught the difference between Portland cements, HCT technology and epoxies, and why they are needed for various types of ceramic tile and stone installations.		1 LU
Mapei	Need for Speed: Rapid-Set Products in the Construction Industry MAP007	This presentation takes a look at “rapid-set products” and their growing importance in successfully keeping down building costs while meeting project deadlines. This being the case, “rapid-set products” become an invaluable tool for architects, specifiers and building owners in both remodel repairs and new construction projects.		1 LU
Mapei	Lightweight Mortar Technology MAP010	An explanation of how advances in nanostructures and microspheres technology are being used in lightweight mortars to improve workability and performance.		1 LU

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Mapei	Meeting the Challenges of Glass Tile Installations MAP011	An explanation about the history of glass tile in the building industry, the challenges that arise when glass tile is specified for a project, the basic guidelines for installation, and where glass tile is being used in various construction applications.		1 LU
Mapei	The Challenges of Installing Large-Format Porcelain Tiles MAP013	An explanation about the "calibration specifications" that are followed when porcelain tile is manufactured; how the quality, variety of sizes, and intended use of the porcelain tile can affect the installation method; and the importance of surface preparation as the size of the porcelain tile increases. The presentation also covers how the grout joint size and the mortar type used can affect the performance of a large-format porcelain tile installation; and how an installation can be influenced by curvature, thermal movement, deformability and use of expansion joints.		1 LU & 1 HSW Credit
Mapei	Successful Solid Vinyl Sheet Floor Installations: Tips & Techniques MAP016	An explanation of how to specify the proper subfloor preparation that is required for solid vinyl sheet flooring; which adhesives are recommended; techniques; and causes of failures in these types of installations.		1 LU & 1 HSW Credit
Mapei	LEED: Sustainability in the Construction Industry MAP017	An explanation of which LEED credits apply to the construction industry; understanding the construction challenges and solutions when a LEED project is specified; how product manufacturers are meeting the requirements of "green" and "sustainability;" and how it is good for the environment, economy and community.		1 LU & 1 HSW Credit

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Mapei	Gypsum-Based Products in the Flooring Industry MAP018	An explanation of the history of cement-based and gypsum-based products; the basic chemical makeup of gypsum (calcium sulfate); how gypsum products benefit the construction industry; and why primers and waterproofing are important when working with gypsum products.		1 LU & 1 HSW Credit
Mapei	Medium-Bed Mortars: The Future of Adhesives for Large-Format Tile MAP019	A discussion of the new standards for medium-bed mortars and how they affect current installation practices when installing large-format tile. In addition, participants will learn how to best reduce "lippage" for safety and aesthetics as tile size continues to increase. Plus, an explanation of how "curvature," a result of load and deflection, can impact the entire tile installation.		1 LU & 1 HSW Credit
Mapei	Leaner, Greener, Larger, Lighter: Thin Tile Systems MAP020	What are the benefits of thin tile systems? What are the differences between thin tiles and regular tiles? Learn about of the latest innovations in the industry. This session will outline the features of "thin-body tiles" (3 mm to 7 mm), including the sustainability benefits of these alternative thicknesses, and the installation requirements and techniques for successful thin tile projects.		1 LU & 1 HSW/SD Credit
Mapei	Wood Flooring: A Natural and Sustainable Choice! MAP021	What are the benefits of using wood as a sustainable choice for either commercial or residential installations? What are some basic principles regarding the chemistry of wood? Learn about the various types and styles of wood flooring, and how wood can be inlaid with either tile or stone. This session will outline wood's relationship to moisture and the importance of this factor when wood floors are specified and installed. Participants also will learn how to address excessive MVE (moisture vapor emissions) in concrete with specially designed barriers and adhesives.		1 LU & 1 HSW/SD Credit

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Mapei	Medium-Bed Mortars: The Future of Adhesives for Large- Format Stone MAP022	A discussion of the new standards for medium-bed mortars and how they affect current installation practices when installing large-format stone. In addition, participants will learn how to best reduce “lippage” for safety and aesthetics as stone size continues to increase. Plus, an explanation of how “curvature,” a result of load and deflection, can impact the entire stone installation.		1 LU & 1 HSW Credit
Mapei	Horizontal Concrete Repair MAP023	A discussion about the basics of concrete repair to horizontal concrete surfaces. The basic materials and methods used to patch overlay and resurface horizontal concrete will be identified. Participants will also understand the effects that the environment and installation practices have on the quality and performance of concrete		1 LU & 1 HSW Credit <i>NOT IDCEC Approved</i>
Mapei	Waterproofing: Key to Avoiding Costly Failures! MAP024	A discussion about the various types, methods and situations where waterproofing will protect and enhance tile and flooring installations. Also, a look at the various failures that can occur when waterproofing or moisture control is neglected or incorrectly installed in residential and commercial tile projects, including interior/exterior floors and walls, swimming pools, balconies, plaza decks, facades and baths.	<ul style="list-style-type: none"> • Understand why many failures occur • Learn how waterproofing and moisture mitigation requirements vary • Discover solutions for common applications 	1 LU & 1 HSW Credit
Mapei	Moisture and Concrete Floor Slabs: Health, Safety and Cost-Effective Solutions MAP025	An in-depth understanding of moisture issues in concrete slabs and the deleterious effect of a high moisture vapor emission rate (MVER) on flooring finishes. The presentation will address “sick building syndrome” caused by excessive concrete moisture vapor emissions; the various industry-approved methods for testing of MVER and for generating accurate data; conditions that generate excessive moisture in slabs and how to resolve them; how MVER barrier technology works, and how and when to specify it; and ICRI’s certification program for moisture-testing technicians – the only certification program in the industry.		1 LU & 1 HSW Credit

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Vendor	Topic	Overview/Summary	Objectives	Credits
Mapei	Self-Leveling Underlayments and Toppings MAP026	An in-depth introduction to the various methods of surface preparation required for installing self-leveling underlayment materials for concrete; the various industry standards of testing for moisture vapor emission rate (MVER); and the means for becoming certified as a moisture-testing technician. The presentation also will include an introduction to the various types of self-leveling underlayments, overlayments and decorative toppings for interior concrete slabs.		1 LU & 1 HSW Credit
Mapei	ISO 13007 and ANSI Standards MAP027	An in-depth introduction to how the ISO 13007 classifications and the ANSI standards complement one another and how the addition of the ISO 13007 classification in the 2011 TCNA Handbook can help architects and installers to select mortars and grouts based on performance. Also an understanding/explanation of the ISO 13007 classification specifically an explanation of the chemical makeup designations, measurable performance levels and optional characteristics that can be applied to adhesives and grouts for improved performance.		1 LU Credit
Mapei	Green Squared: Tile Industry's Sustainability Program MAP028	An in-depth introduction to the purpose, standards, certification and implications of Green Squared.		1 LU & 1 HSW/SD Credit
Mapei	Crack & Sound Membranes MAP029	An in-depth introduction to the approved industry standards for Crack Isolation and Sound Control products, how to choose the membrane most appropriate for application and how to avoid common installation mistakes and failures.		1 LU & 1 HSW Credit

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Metropolitan Ceramics	Choosing the Right Flooring for Demanding Environments	Using the appropriate floor covering for demanding environments, like commercial kitchens, is the basis of the course. Participants learn what a demanding environment is, examine available flooring options, and determine which will succeed. The course compares options, discusses manufacturing processes, reviews raw materials and shows installation examples.	<ul style="list-style-type: none"> At the conclusion of the course, attendees are better able to choose the correct flooring for demanding environments. 	1 LU
Ragno	Advanced Ceramic Tile Methods, Standards & Materials Course Number: IDCEC 4254	Presentation Highlights <ul style="list-style-type: none"> Industry Standard Publications Manufacturing Methods New Technologies Testing Data Types of Ceramic Tile Setting Methods and Materials 	<ul style="list-style-type: none"> Understand the types of ceramic tile products available and their specific intended usage Reference industry publications and standards; understand test methods and how the results influence tile selection Understand new industry guidelines for the installation of large format tile Show increased awareness of installation products and how they are determined by the substrate 	1 LU/HSW
Ragno	Course Number: MAR001	The ventilated wall is an external cladding system composed of an outer skin of large format tiles and an airtight, insulated backing wall separated by a ventilated air space, which is applied to the outside of the building sheathing. While fairly new to the North American market, this technology is widely used in Europe and Asia for both retrofits and new construction, principally offering increased thermal efficiency, greater sound insulation and lower energy costs.	<ul style="list-style-type: none"> List the key components of ventilated wall systems and identify how each contributes to reduced building energy consumption Describe a situation leading to thermal bridging and how a Ventilated wall system would eliminate the thermal bridging Describe how the placement of the insulation layer is related to condensation and thus mold and indoor air quality issues Discuss the qualities of porcelain stoneware tile and how it could contribute to a sustainable design. 	1 LU

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