Trass-Based Permeable Bedding Systems: Installation, Performance, and HSW Outcomes

AIA: 1.0 LU / 1.0 LU HSW,
LA CES: 1.0 PDH, HSW

Learning Objectives

1. Differentiate permeable, bound Trass-based bedding assemblies from on-slab and flexible on-grade methods in terms of drainage behavior, freeze-thaw risk, and surface stability.
2. Identify the key design inputs that control HSW outcomes: drainage strategy, slope/ponding control, aggregate cleanliness, edge/perimeter support, and movement accommodation.
3. Apply installation quality controls, mixing ratios, aggregate gradation, wet-to-wet bonding, joint preparation, and cure protection to reduce common failure modes such as rocking units, clogged permeability, and joint deterioration.
4. Evaluate appropriate use cases and limitations for permeable bound systems based on loading, climate exposure, soil/drainage constraints, and maintenance expectations.

Course Description

Permeable, bound paving assemblies are increasingly used where designers need durable exterior circulation surfaces that also support responsible water management. This course explains the origins and function of Trass-based bedding mortars and how they are used in a three-part assembly: a permeable bound bedding layer, a bonding bridge installed wet-to-wet, and a permeable jointing material. Participants compare this approach to traditional on-slab and flexible on-grade methods, then review design inputs and installation controls that most influence safety, performance, and maintenance, especially in freeze-thaw climates.

HSW Description

This course addresses the Health, Safety, and Welfare impacts of exterior hardscape assemblies by focusing on drainage, freeze-thaw resilience, and stable walking/rolling surfaces. Attendees learn how permeable, bound Trass-based bedding systems manage water movement to reduce ponding and icing risk, improve surface stability to limit trip hazards, and support long-term durability through correct detailing, movement accommodation, and quality-controlled installation practices.

Schedule your Lunch & Learn

To book this accredited presentation for your firm, please contact:

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