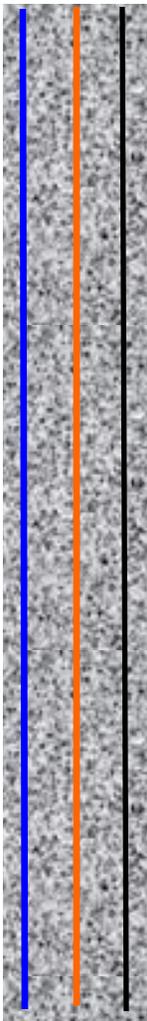
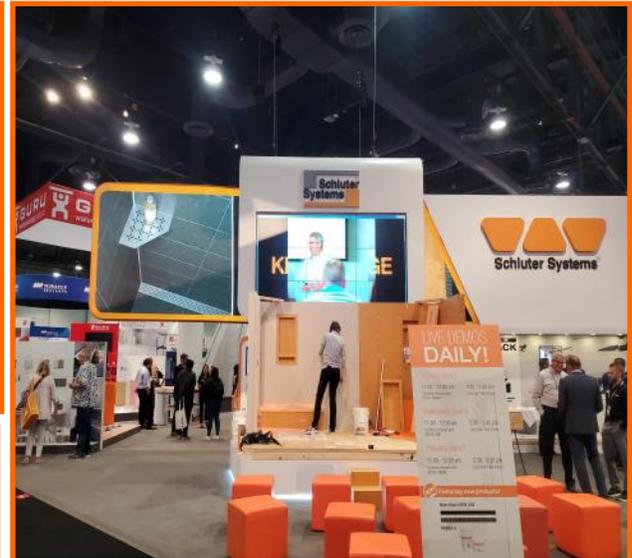


TILE CONTRACTORS ASSOCIATION OF HAWAII



LAS VEGAS TCAH MEMBERSHIP MEETING

Several of our TCAH members flew to Las Vegas to see the hundreds of exhibitor booths at Coverings at the Las Vegas Convention Center. There were seminars, demonstrations and an abundance of products displayed from vendors throughout the world. It is certainly a must-see tradeshow for those in the industry. We also had the opportunity to visit with our friends from the TCNA, TCAA and IMI. A membership meeting was held at a nearby restaurant where the members discussed the yearly recap of the TCAH.



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Coverings Photos



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LOCAL #1 HI, IUBAC
HAWAII MASONS TRAINING



BRICK - STONE - TILE - MARBLE
CEMENT - POINTER CAULKER

Continued Education Training Workshops

Masons Shop
874 Dillingham Blvd, Honolulu HI 96817

Substrate Prep & Shower Receptors

Gauged Porcelain Tile Panel



Friday & Saturday, July 8 – 9, 2022

7:00 a.m. to 4:30 P.M

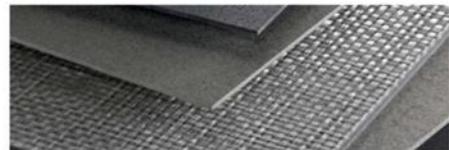
Substrate Prep & Shower Receptors

- ◆ Substrate Prep & Requirements
 - ⇒ Walls & Floors
- ◆ Shower Receptors B421 and B421C
 - ⇒ Recommended Uses
 - ⇒ Requirements
 - ⇒ Materials
 - ⇒ Installation Specifications



GPTP ANSI A108.19 & A108.20

- ◆ The product
- ◆ Interior & Exterior
- ◆ General Requirements for Installation
- ◆ Material Handling
- ◆ Jobsite Requirements
- ◆ Substrate Requirements



- ◆ Embedding the Tile
 - ⇒ Walls & Floors
- ◆ Mortar and Mortar Coverage
- ◆ Workmanship, Lippage
- ◆ Movement Joints
- ◆ Maintenance

SPACE IS LIMITED To register please call Patrick Coronas at (808) 741-6971

More details on next page.

TILE CONTRACTORS ASSOCIATION OF HAWAII

Substrate Prep & Shower Receptors Gauged Porcelain Tile Panel Workshop Tentative Schedule for Friday, July 8, 2022

Presented by:

Lupe Ortiz

Regional Training Director

Western Region

Email: lortiz@imtef.org

International Masonry Training and Education Foundation

Phone: (510) 206-0042

www.imtef.org



Friday's Class:

Classroom

- 7:00 – 7:15 am - Introductions
- 7:15 – 8:15 am - SLU, Renderings power point

Shop/Lab

- 8:30 – 9:30 am - Prep GPT Wall with rendering/patch materials
- 9:30 – 9:45 am - Break
- 9:45 – 11:40 am - SLU floor area
- 11:40 – 12:10 PM - Lunch
- 12:10 – 12:30 PM - Scott Conwell presentation
- 12:30 – 1:30 PM - Rapid Setting Mortars Mud boards
- 1:40 – 2:10PM - B421 & B421 Cut away review
- 2:10 – 2:40PM - Waterproof Mud Boards
- 2:40 – 3:40 PM - Waterproof GPT Wall and SLU Floor area
- 3:40 – 4:00 PM - Clean up

Classroom or Lab

- 4:00 – 4:30 PM - Q&A

TILE CONTRACTORS ASSOCIATION OF HAWAII

2022 LEGISLATIVE REPORT



CONSTRUCTION

1. Both individual and company penalties for wage and hour violations: SB3223, HB2440
2. Class C Felony for contractor wage violations: SB2298
3. Construction Incidental & Supplemental 5% work limit: SB2709, HB1956
4. Periodic building inspection requirement: SB2003, HB1784, HB2243
5. International Green code for construction waste reuse, recycling: SB2662
6. One Call Center requirement for residential projects that are ≥ 12 " depth: SB3078, HB2110
7. State projects to reduce carbon footprint/use carbon concrete when feasible: HB2423

PROCUREMENT

1. 24-Hour bid error correction: SB2681, HB1908
2. Local products preference repeal for construction: SB2384, SB3036, HB2068
3. Bid protests; deadline, bond cap: SB3015, SB3371, SB3372, SB3373, HB2007
4. Second low bid/median bid procurement format: SB2335, HB2036

5. Repeal Procurement Policy Board, transfers authority to SPO administrator: SB2383
6. Clarifies bid listing of joint contractors and subs if license not required: SB3034, HB2066
7. Requires new contract for any change order over 50% or if scope increases: SB3350

DEVELOPMENT

1. Requires EIS to consider socioeconomic disparities (OHA Package): SB2121
2. Transfer Stadium Authority/School Facilities Authority from DAGS/DOE to DBEDT: SB3334, HB2470
3. ALOHA Homes – Singapore model leasehold affordable homes (Sen. Chang): SB3261

OTHER

1. New Carbon Tax and refundable income tax credit: HB2278
2. Prohibit advertising for goods or services if any license required: HB1516



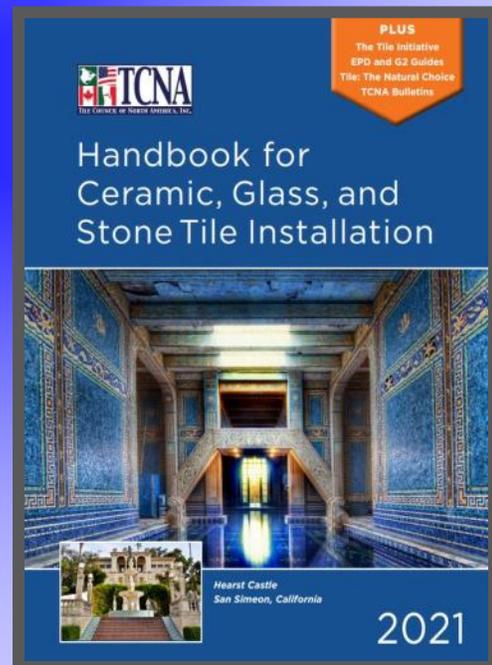
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TCNA Handbook for Ceramic, Glass, and Stone Tile Installation

The TCAH met with staff from the TCNA and were informed that the 2022 edition should be made available in late May/early June. They will be obtained through a digital format or hard copy version. We will notify our members when the handbook will be ready for distribution.

“A guide to assist in clarifying and standardizing installation specifications for tile. Each installation recommendation, or method, requires a properly designed, constructed, and prepared substructure using materials and construction techniques that meet nationally recognized material and construction standards. Included are: product selection guides for ceramic, glass, and stone tiles; guidelines for wet areas; ISO mortar and grout specifications; information on substrate flatness requirements; information on grout joint sizes and patterns, and workmanship standards excerpted from ANSI installation standards”.



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CERAMIC TILE SEMINARS JULY 8, 2022 3.0 LEARNING UNITS, 3.0 HSW

REGISTER HERE WITH THIS LINK!

<https://info.imiweb.org/07082022ctdc>

DATE & LOCATION

Friday July 8, 2022

Mason's Shop, Honolulu Community College
874 Dillingham Blvd., Honolulu, Hawaii

SCHEDULE

9:45-10am	Check-in
10-11am	Tile Showers & Watertight Installations
11am-12 noon	Mockup Tour & Demonstrations
12-1pm	Lunch seminar: Design Considerations of Large Format Tile
1pm	Conclude

TILE SHOWERS & WATERTIGHT INSTALLATIONS

This session examines the environmental exposure classifications defined in the Tile Council of North America (TCNA) Handbook, and how to design for wet and intermittently wet installations. It examines which substrates are appropriate for wet areas and how to properly prepare them, as well as requirements for liquid and sheet-applied waterproof membranes, and how required slope to drain is achieved. The discussion will culminate with an overview of installer qualifications and tile industry credentialing programs for wet areas.

TILE MOCKUP TOUR & DEMONSTRATIONS

Tile apprentice instructors will lead participants of a tour of training and demonstration mockups, discussing important aspects of design and installation. View mockups that illustrate critical skill areas of large format tile, substrate preparation, showers, and gauged porcelain tile.

DESIGN CONSIDERATIONS OF LARGE FORMAT TILE

This course will examine design and installation considerations for large format ceramic and porcelain tile, looking at ANSI and TCNA requirements for acceptable bonding patterns, warpage, lippage, and grout joint tolerances. It will also examine substrate preparation and flatness tolerances. Finally, the program will provide information on the new product category of thin Gauged Porcelain Tile (GPT) and thin GPT slabs/panels.

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COST

This program is free to design and construction professionals including architects, interior designers, engineers, owners/developers/agencies, general contractors/ construction managers, and BAC signatory tile contractors. Preregistration is required. Lunch is provided.

EDUCATION

This program is registered with AIA for 3.0 Learning Units (LUs) including 3.0 Health Safety Welfare (HSW) LUs. BAC tile and stone contractors receive 3.0 hours toward IMI Contractor College and TCAA Trowel of Excellence continuing education requirements. IMI will provide certificates for self-reporting to all who request, including interior designer members of IIDA and ASID.

REGISTRATION

Register online at PLACEHOLDER.COM. For additional information Scott Conwell at IMI: sconwell@imiweb.org, (630) 396-3144

**TILE CONTRACTORS
ASSOCIATION OF HAWAII**

**Subcontractors Association of
Hawaii**

Annual Golf Tournament

**Friday, August 12, 2022
Ewa Beach Golf Course
10:30 a.m. Check In
12:00 p.m. Shot Gun Start**

**Contact:
Cheryl Lewis
clewis@hawaiiantel.net
Phone: (808) 537-5619**

**Funds raised go towards legislative efforts to
help protect the interest of the Hawaii
subcontractors.**



**Mason Contractors
Association of Hawaii**

**44th Annual Golf
Tournament**

**Thursday, June 23, 2022
Pearl Country Club
10:30 a.m. Check In
12:00 p.m. Shot Gun Start**

**Contact:
Channey Wada
channey.mihdirector@gmail.com**

**Funds raised go towards scholarship
awards to assist our youth to pursue their
educational endeavors.**



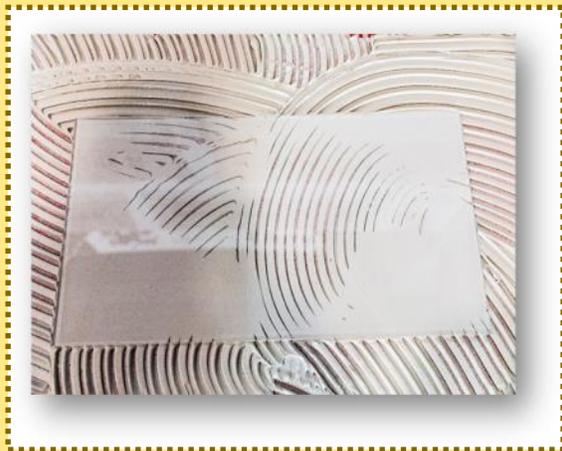
TILE CONTRACTORS ASSOCIATION OF HAWAII

The Importance of Sufficient Mortar Coverage in Large Format Tile Installations

by Scott Conwell, FAIA, FCSI, LEED AP

There are many factors that contribute to the ability of a tile to permanently bond to the substrate, including substrate preparation, proper selection of setting material, environmental conditions during installation, application of bonding mortar, and embedment of the tile. This article will examine standards for mortar coverage, perhaps one of the most important criteria to achieving a good bond.

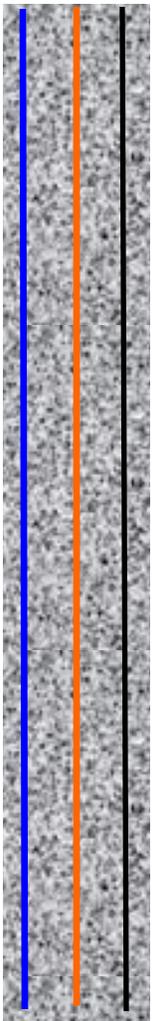
For projects with specifications referring to ANSI A108 American National Standard Specifications for the Installation of Ceramic Tile, the tile contractor must meet the minimum mortar coverage requirements specified in the standard. Even if the specification does not refer to ANSI, or if there is no specification, it is widely acknowledged that the mortar coverage requirements stated in ANSI represent best industry practice.



The coverage requirements stated in ANSI A108 apply to glazed wall tile, ceramic mosaic tile, quarry tile, paver tile, and other unmounted vitreous and impervious tile to be installed on walls, ceilings, or



floors with modified or unmodified dry-set portland cement mortar. The standard excludes requirements for glass tile, stone tile, gauged porcelain tile (GPT), and GPT panels/slabs. Generally, large format tiles (tiles with at least one side greater than or equal to 15 in.) present a greater challenge to the installer than their smaller counterparts when it comes to achieving required mortar coverage.



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For the types of tile covered by the standard, the average mortar contact area shall be a minimum of 80% for interior non-wet areas (i.e. maximum 20% voids in the mortar), and a minimum of 95% for exterior areas and showers (i.e. maximum 5% voids in the mortar). Best practices extend the 95% requirement to all wet areas, not only exteriors and showers. ANSI defines wet areas as “tile surfaces that are either soaked, saturated, or subjected to moisture or liquids (usually water) such as in gang showers, tub enclosures, showers, laundries, saunas, steam rooms, swimming pools, or exterior areas.”

As any skilled tile setter knows, it isn't enough to merely spread mortar to the 80% or 95% requirement for contact area; the tiles must be fully and adequately embedded in the mortar to meet coverage requirements. ANSI describes successful tile embedment by keying mortar into the substrate with the flat side of the trowel, then combing the mortar with the notched side of the trowel in a single direction, then finally beating in the tile or pushing it in a direction perpendicular to the combed ridges (It should be noted that very large tiles like GPT panels employ alternative embedment techniques).

The ANSI Standard includes a provision to check for coverage in freshly laid tile by removing not less than three tiles for visual inspection. If the ridges in the mortar are collapsed, that's an indication of good coverage.

Architects and other design professionals want to ensure that the tile assemblies on their projects achieve sufficient mortar coverage and a good bond. ANSI A108 provides a thorough definition of what those coverage requirements are and how to achieve them. An additional measure that may be taken is to require tile installers who have been certified in the Advanced Certifications for Tile Installers (ACT) for Large Format Tile, an industry-wide program that evaluates installers on mortar coverage and other critical points of installing large format tile. Since ACT verifies tile setters' knowledge and ability to install to the ANSI standards, the certification can be an effective means of ensuring a successful, lasting installation. Architects who specify qualified installers like union tile setters who are ACT-certified in Large Format Tile can be confident that the installers have been trained, tested, and certified in providing tile assemblies that meet or exceed best industry practices in mortar coverage and other aspects of tile installation.

Note: this article is adapted from a technical column by the same author previously published by the Tile Contractors' Association of America in their journal, 093000 Contractor.

