SHINAGAWA
SPECIALTY CERAMICS

SHINDURAWEAR™ INSTALLATION OVERVIEW

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COMMENTS AND GENERAL NOTES

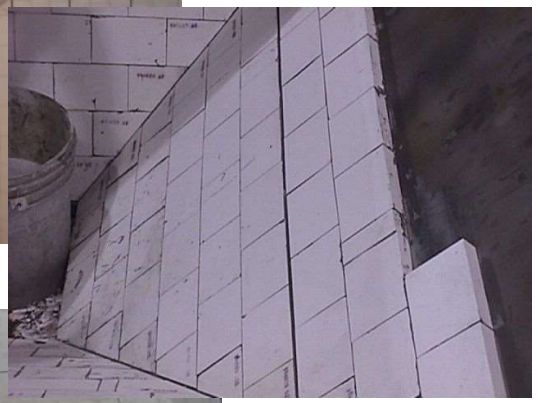
Proper installation is the most critical and is by far the greatest factor in the success or failure of any ceramic application

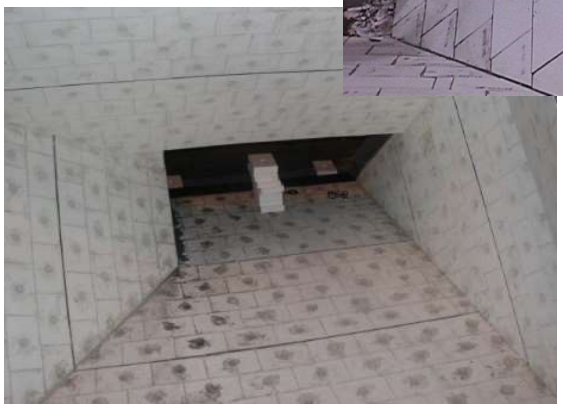
- Surface Preparation
- Tile thickness & type
- Adhesive selection
- Stiffening of Substrate –Flexing concerns

Installation Generals

- Surface must be clean, dry and sandblasted to a near white metal for the best results-Installation in field not always possible, consider weld-al type if possible or removable wear panels.
- Initial layout work is done dry; pre-planning is very important.
- If possible, always start at the largest side, work towards the middle if need be; i.e. make your cuts at the smallest side of the fabrication.
- Some cuts can be chipped. i.e tucking/soldering under a side wall that will be lined. Hammer chipping to adjust for corner welds is OK. Diamond cutting is the preferred method for thicker tiles.
- Know the direction of the material flow; stagger joints accordingly (smallest joint parallel with the flow) joints should be at a minimum 1/2" apart.
- Use of brick stops, clamps or angle to start square; facilitates stiff substrate; bonding area increased.
- Check your work by measurements as you go.







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GETTING STARTED

- **If Applicable,**
  - **Open Pallet that says “Prints”**
  - **Familiarize your self with the prints and the layout, Panel A, B, C, etc, BOM; do some pre-check measurements on the equipment to be lined vs. drawing then do some more.**
  - **Familiarize yourself with the packaging; drawing number and part numbers which are marked on the panel boxes, for example; 92.0000 is the drawing number; panel boxed will be marked 92.0000-1 thru 10, etc, and will indicate how many pieces in each box.**





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GETTING STARTED (CONT'D)

- **Plan the best way to line the equipment**
- **Standing up, laying down**
- **Be aware of cure times, how many people will be on the job, etc.**
- **Do some dry layouts of the panels. This will help verify you have the pieces before you start and help plan the installation. Pre-Planning is critical.**





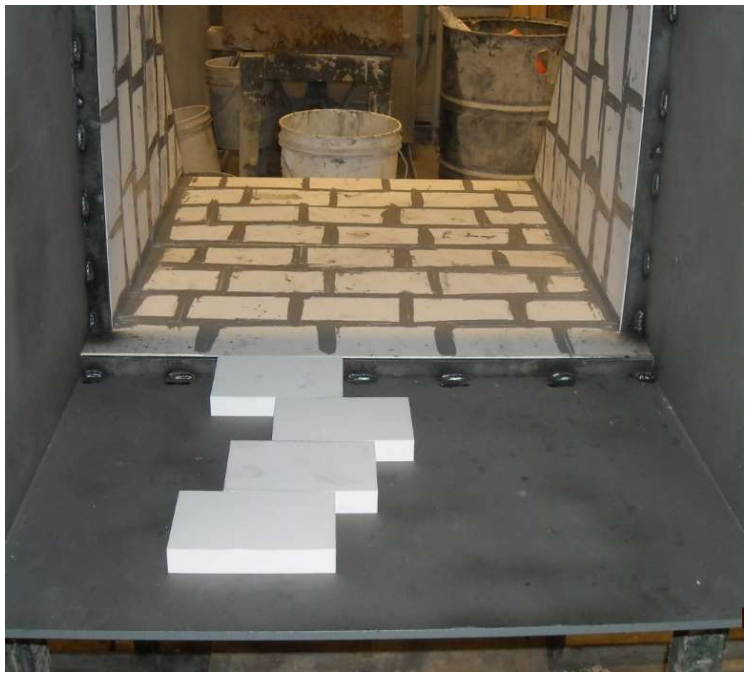


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GETTING STARTED (CONT'D)

- **Dry layouts of the panels. Pre-Planning is critical.**







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