



## TECHNICAL BULLETIN #122

**Regarding: Regarding: Mer-Krete Systems Sound Shield PNS (Peel N Stick) 90 & PNS 40 Crack Isolation Membrane over cold joints and saw cuts.**

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### Recommended Uses:

- Increased tensile strength
- Easy to Install
- Cost effective complete system
- Interior or exterior
- Crack and joint application up 3/8"
- Tile or stone may be installed immediately.

### Limitations:

- Do not use Sound Shield PNS 40 below 40°F (4°C) or above 95°F (35°C).
- Use caution; do not allow PrepSeal PNS primer to freeze
- Not recommended in areas where membrane will be subject to continuous exposure to sunlight.
- Proper application of saw cuts shall be to fill crack using Mer-Krete PUC caulk followed by PNS overlay.
- Do not apply primer or membrane to frozen concrete or damp, frosty or contaminated surface.
- Perimeter expansion of 1/4 "minimum must be maintained for warranty.
- Mortar sandwiched between to non-absorptive materials will require additional cure time. Cooler weather will also increase the cure time of the mortar
- Sound Shield PNS should not be used as a standalone membrane ".\* or in conjunction with Mer-Krete Fracture-Guard 5000 or in conjunction with Mer-Krete Fracture-Guard 5000 with installation of tiles/stone under 12"x 12. Use only Fracture-Guard 5000 in these situations.
- Should not be used where substrate moisture is higher than 4lbs per 1000 based on a calcium chloride readings. Where such situations exist it is mandatory to have testing performed to determine moisture content.

### Requirements:

This increase in performance will enhance the overall performance of the tile installation. The intention of this system is for covering cold joints and saw cuts. Not for use over expansion or movement joints and out of plane movement cracks. Increased tensile strength allows for warranties up to 3/16" over surface cracks when applied to specifications. No drying time required. As the name implies "Peel N Stick", set tile or stone in minutes after application. Ideal for small installations where time is a factor: Entry ways, bathrooms and other small areas may be fully installed with PNS 40 allowing for immediate installation of the tile/stone overlay.

\* Note PNS Primer is required on all applications. Apply PNS Primer with a roller, allow getting tacky or dry, approximately 5-10 minutes @ 70°F, install membrane.

Cost effective: PNS 40 is very competitively priced and is intended to be applied in conjunction with Mer-Krete Fracture Guard 5000.

Large or extensive cracking: PNS 40 may be used over areas not previously covered under our standard warranty. \*\*Note: contact the Technical Department at Mer-Krete Systems; 1-(800) 226-2424 for specific information on this feature.

The installation of ceramic tile must be done following installation standards published in the current (TCA) Tile Council of America handbook, ANSI (American National Standards) 108 specification and our data sheets.

Visit our website at [www.merkrete.com](http://www.merkrete.com) or call the Technical Department at 1-(800) 226-2424 for additional information or to request Product Data sheets on Fracture Guard 5000, Sound Shield PNS 40 and Sound Shield PNS 90.