



**Premium Building Products  
That Protect**

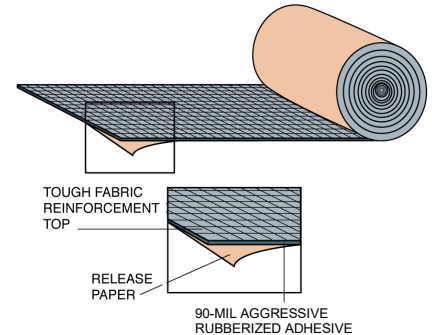
# **Flex Deck 90**

## **Economic Contractor Grade**

### **Cost Effective, Easy to Install**

### **Peel & Stick Membrane**

Protecto Wrap Flex Deck is a 90 mil thick reinforced peel & stick sheet membrane specifically designed for use in interior applications under thin-set floor tile installations of ceramic, porcelain and natural stone tile as a stress relieving material in conjunction with thin-set methods. The flexible membrane has the strength to withstand horizontal structural movement and concrete shrinkage cracks up to 3/8" without transferring the stress load to the tile.



Flex Deck provides an economical solution for preventing unsightly reflective cracks from surfacing in tile floor finishes by expanding and contracting with shrinkage cracks. Areas of application include concrete slabs, plywood, pre-cast floor panels, gypcrete, OSB, radiant heated floors, ceramic tile, marble, slate, stone, leveling and patching compounds.

Installations requiring more than 1/4" of thin-set mortar need to be raised with a self leveling compound or a pre-mortar bed and allowed to cure prior to installation of Flex Deck. Use latex modified thin-set mortar to install tile over Flex Deck.

When the Flex Deck membrane has been properly installed with Primer, and the tile installed in accordance with TCNA guidelines, Flex Deck provides a 5 Year Warranty against tile cracking due to horizontal substrate movement up to 3/8".

Flex Deck is available in 30" wide x 50' rolls (125 sq ft). Primer is required to prepare the substrate prior to installation. Use Protecto Wrap #6000 Primer. The #6000 Primer is available in a 1 gallon bottle in a concentrate. Mix 2 gallons of water with 1 gallon of concentrate for 500 sq ft of coverage depending on the porosity of the substrate.

**Limitations**—Flex Deck is not intended for use over concrete floors when hydrostatic head pressure or excessive moisture vapor emission transfer (3 to 4 lb max) is present. It is not recommended for use where horizontal floor movement is greater than 1/4". It is not intended to cover cracks larger than 1/4" wide or be used over expansion joints or other forms of movement joints. For installations over plywood, please refer to TCNA Handbook. For expansion and movement joints in the tile, please refer to TCNA Handbook EJ171. Do not use with solvent based products.

**Precaution**—There will be an immediate and aggressive bond of the membrane to the primed sub-floor. Position membrane carefully as realignment is difficult once membrane is adhered to floor.

# Flex Deck Installation Instructions

## Surface Preparation

The surface to receive Flex Deck must be clean, dry and free from any foreign matter that may adversely affect the adhesion of the membrane.

## Priming

In a clean bucket, mix the P.W. #6000 water-based primer concentrate with clean tap water at a ratio of one part concentrate to two parts water. Note: On porous substrates the concentrate should be used at full strength. Only mix enough primer that can be used in half a day.

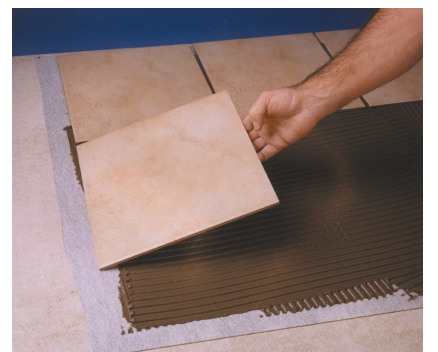
Apply a light coat of primer using a brush or roller. The primer must be allowed to dry (approx. 20 minutes) before installing the membrane. When fully cured, the primer will feel tacky to the touch but will not come off of the substrate.

## Membrane Installation

Measure and cut off the desired length of Flex Deck membrane. Membrane is to cover any existing cracks a minimum of 6" in any direction, be placed at least 3 times the width of the tile and wide enough that any tile over a crack is completely on the membrane.

Expose the leading edge of the membrane by removing the paper backing approx. 2" and press into position. Continue to remove the paper backing and set the exposed tacky bottom over the sub-floor and smooth into place as it is applied. Continue smoothing the membrane as it comes in contact with the primed surface. This is essential to gain maximum adhesion as well as minimize trapping air beneath the membrane during application. If air does get trapped, puncture the air bubble and press the sheet flat. For maximum performance, 100% surface contact to the primed surface must be achieved.

Protecto Wrap Flex Deck does not require any curing time. Tile installation with Latex modified thin-set can begin immediately following application of the membrane.



**Protecto Wrap is a member of the following trade organizations:**



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