

Proflex™ Elastomeric self-bonding membranes are composite underlayments consisting of petroleum and rubber based products laminated to a high-strength reinforcing facer fabric. The product possesses excellent strength and elongation properties designed to be used in a variety of building and remodeling applications.

Proflex™ membranes provide a variety of features, benefits and protection from:

- Crack-Isolation, Proflex™ membranes will bridge cracks and control / cold joints up to 3/8", eliminating the transfer of cracks to the finish flooring surface.
- Sound Reduction, Proflex™ membranes will provide sound abatement properties. The specific performance is unique to each type of Proflex™ product, refer to individual product data sheets for specific sound abatement performance.
- Moisture Vapor, Proflex™ membranes, installed in a specific manner, will provide a barrier against the transmission of moisture vapor from a substrate to a finish flooring surface. Refer to individual product data sheets and installation guidelines for specific features and instructions.
- Waterproofing, Specific Proflex™ membranes are compatible for use in limited waterproofing applications, (Note: Not all Proflex membranes are approved for waterproofing, contact technical support for additional information).

Proflex™ is designed to form a permanent bond to most concrete, steel, or wood substrates. The material is compatible to be used under a variety of cementitious, epoxy, and urethane adhesives. Once Proflex™ membranes are installed, finish flooring surfaces can be installed with no additional waiting time.

### Application Instructions:

Proflex™ elastomeric membranes, when properly installed in accordance with the following installation guidelines, will provide years of protection for finish flooring installations. In addition to these instructions, installers shall also refer to the most current edition of the following publications:

- American National Standards Institute (ANSI) publications.
- Tile Council of America (TCA) Handbook for Ceramic Tile Installations
- The Marble Institute of America (MIA) Dimension Stone Design Manual.
- Manufacturers instructions of selected setting materials, substrates, sub-floors, or other manufacturers being used in the total, or any part of, an installed flooring system with Proflex™. Consult your selected manufacturer of these above mentioned components to ensure selected products are compatible with Proflex™ elastomeric membranes. Or visit our website at [www.proflex.us](http://www.proflex.us) and click to our link listing our approved setting materials that have been approved for use with Proflex™.

### Exclusions:

Proflex™ should not be installed without contacting technical support for including, but not limited to, the following conditions:

- Expansion or structural design joints in concrete slabs
- Out of plane, or structural movement cracks.
- Horizontal cracks that exceed 3/8 (10mm)
- Areas where moisture vapor or hydrostatic pressure exceeds 5#-1000sqft-24hrs, as tested using a Calcium Chloride (CaCl) test.
- Substrates installed not in compliance with industry standards.
- Substrates that have not been approved by Proflex in this document, or by written authorization from a Proflex representative.

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# PROFLEX™ ELASTOMERIC MEMBRANE APPLICATION INSTRUCTIONS

## Surface Preparation of selected substrates:

### Concrete Substrates

- Concrete shall be in place a minimum of 28 days.
- Concrete shall be installed in compliance with industry standards listed on page 1 of these instructions, and concrete manufacturer's instructions.  
The surface shall have a smooth finish and be free from voids, sharp protrusions, and loose aggregate.
- Substrate temperatures should be between 40°F and 90°F
- Concrete shall be structurally sound, dry, clean, and free of dirt, oils, grease, loose peeling paint, concrete sealers or curing compounds, cement laitance, and other similar bond inhibiting materials.
- Rough or uneven surfaces should be made smooth with a Latex Portland cement underlayment to provide a wood float or better finish. Do not level with asphalt based products.
- Concrete should be tested for both moisture vapor transmission and hydrostatic pressure, by use of a Calcium-Chloride (CaCl) test. Consult technical support if test readings indicate a reading greater than 5 # per 1000sqft-24hours.

### Plywood Substrates

- Plywood must be a minimum of two (2) layers 5/8" exterior grade plywood.
- Plywood shall be securely fastened in accordance with industry standards as listed on page 1 of this publication.
- Maintain a 1/8" gap between plywood sheets and all surfaces they abut.
- Joints in the top layer should be offset from the joints on the bottom layer.
- It is the responsibility of the installer to verify the deflection of the floor structure and sub-floor does not exceed L/360 of the span under combined live or dead loads.
- The substrate should be tested for both moisture vapor transmission and hydrostatic pressure, by use of a Calcium-Chloride (CaCl) test. Consult technical support if test readings indicate a reading greater than 5 # per 1000sqft-24hours

### Other Substrates

- All other substrates and or sub-flooring systems shall be installed in a manor approved by both the product manufacturer and using an appropriate installation method as recommended in the most current edition of the publications mentioned in page 1, of Application Instructions.
- Concrete Patching and Leveling compounds should be applied only after a consultation with Proflex technical staff. (1-877-577-6353) or at [technical@proflex.us](mailto:technical@proflex.us)
- Substrates should be tested for both moisture vapor transmission and hydrostatic pressure, by use of a Calcium-Chloride (CaCl) test. Consult technical support if test readings indicate a reading greater than 5 # per 1000sqft-24hours.

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## Installation of Proflex Membranes:

**For floors, interior applications, Ceramic Tile, Porcelain Tile, Marble or Stone, engineered wood, hardwood floors.**

Priming: Stir or shake Proflex™ Primer thoroughly. Apply primer with a long nap roller, brush, or spray application. Apply evenly at 300-400sq.ft. per gallon, with 100% surface coverage. The Proflex™ Primer has dried satisfactorily (20min – 45min) when the surface is tacky, but does not transfer when touched. (Note: The primer does not serve as an adhesive, over-application of the product will increase drying times and may compromise the overall bondability of Proflex™ membranes to the substrate)

Membrane Application:

- If Proflex is to be used as a vapor barrier, apply Rubber Seam Tape ( Proflex™ RST) beneath all seams, after the surface has been primed. The 4" rubber seam tape should be centered under every seam. The RST will need to be pre-positioned and installed prior to the installation of the Proflex membrane.

Place Proflex™ Membrane with release paper still attached over the area to be treated. Unroll the membrane and cut leaving a 2"-3" excess at one end.

Method 1: Fold membrane lengthwise. Peel ½ of the release paper from the leading edge of the membrane and slowly pull the release paper toward you, exposing the tacky surface of the membrane and carefully attaching the membrane onto the primed surface, avoiding wrinkles and bubbles.

Method 2: Roll up ½ of the membrane, leaving the other half unrolled. Cut the release paper from the portion of the membrane and slowly pull the release paper toward you, exposing the tacky surface of the membrane and carefully attaching the membrane onto the primed surface, avoiding wrinkles and bubbles. Repeat the procedure with the unrolled portion of the membrane.

Additional Instructions on membrane application:

- For full coverage application, carefully butt edges (overlapping will cause the floor to become uneven, but not affect performance).
- Immediately after installation, apply firm pressure to insure good contact with the surface. Work from the center of membrane to the edges.
- Bubbles and wrinkles should be slit with a razor type blade and flattened smooth.
- Protect exposed membrane and companion products from dirt, traffic, and other harmful elements until flooring is installed, grouted, and cured.

## Setting Materials

- **All mortars and thin-sets must meet or exceed ANSI 118.11.**
- Urethane Wood adhesives may be used for wood installations, consult manufacturer for product suitability and approval for use with Proflex elastomeric membranes
- Consult selected mortar or thin-set manufacturer for product suitability and approval for use with Proflex elastomeric membranes
- Use appropriate notched trowel for application of setting materials in compliance with ANSI, TCNA, MIA, NWFA, and setting materials guidelines and recommendations.
- Visit our website at [www.proflex.us](http://www.proflex.us) and click to our link listing our approved setting materials that have been approved for use with Proflex™

## Finish Surface Installation

- Apply finish flooring in compliance with the publications listed in page 1 under installation instructions, for methods of installation over crack-isolation membranes.
- Do not install any defective, damaged, or any finish flooring surface not for its intended use.
- The installation of this product does not eliminate the need for movement joints, including perimeter joints with a tiled surface. Perimeter expansion of ¼" must be maintained at all times. Use Proflex PIB (Perimeter Isolation Barrier) to assist in maintaining the expansion gap. **Consult the TCNA handbook for other movement joint applications.** The product is not for use over expansion joints, or structural (out-of-plane) movement cracks.
- Impervious tile (less than 0.5% absorption) may require a 48-hour cure prior to grouting. The mortar will be sandwiched between two non-absorptive materials and will require additional cure time.

# PROFLEX™ ELASTOMERIC MEMBRANE APPLICATION INSTRUCTIONS

**Health and Safety:**

Read before use. Refer to MSDS for additional information

**Caution:**

May cause slight irritation. Contains: Asphalt CAS# 8052-42-4, Petroleum Oil CAS# 64742-04-7, Styrene Butadiene Polymer CAS# 90003-55-8, Proprietary ingredient, polyester fill

Repeated skin contact with rubberized asphalt may result in slight irritation. Avoid prolonged or repeated exposure to skin. Eye contact with residue on hands may cause irritation.

**Discharge and Disposal**

Waste from this product is not defined as hazardous. Dispose of waste in accordance with applicable Federal, State, and Local Regulations.

**Information**

For additional information contact Proflex™ Products Inc.  
1-877-5 PROFLEX, or [www.proflex.us](http://www.proflex.us)

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