

# PROFLEX™ HYDRA-MESH

## TRANSITION FABRIC USED WITH PROFLEX HYDRASEAL

### DESCRIPTION

PROFLEX Hydra-Mesh is a reinforcing fiber mesh fabric that is used in conjunction with PROFLEX Hydra-Seal waterproofing membrane product.

### TYPICAL USE

PROFLEX Hydra-Mesh is used with PROFLEX Hydra-Seal in areas where a transition in plane (floor to wall, horizontal to vertical plane) occurs. Consult Hydra-Seal application instructions for specific installation guidelines.

### SUITABLE SUBSTRATES

- Concrete
- Mortar beds (cured)
- Cement terrazzo
- Cement backer board or (CBU).

Other substrates - such as urethane membranes, plywood, tile, vinyl, VCT, VAT, stained concrete, fiberglass decks, contact technical support for additional information

### PACKAGING, COVERAGES

PROFLEX™ Hydra-Mesh

1 Roll= 6" x 75', 16 rolls per case

### CAUTIONS AND LIMITATIONS

Follow all TCNA and NWFA guidelines as well as all manufacturers' components instructions for installation methods. Consult the mortar (thin set) manufacturer for product suitability and additional requirements.

Maintain a minimum of 1/4" perimeter movement joints at all vertical transitions.

Impervious tile (less than 0.5% absorption) when working with mortar may require a 24-hour cure prior to grouting. The mortar will be sandwiched between two non-absorptive materials and will require additional cure time.

Cooler weather will also increase set time. Do not allow continuous exposure to sunlight.

Not for use over expansion joints (structural design joints).

Cracks and Control joints must not exceed 1/4" and must be filled with an approved sealant prior to the application of Proflex™ Hydra-Seal

Not for use as a roofing material. Not for use as a wear surface.

### SAFETY

Keep product from freezing. Avoid contact with skin where possible. Wash exposed skin areas promptly. If product gets into eyes, wash with water and immediately seek medical attention.

**KEEP OUT OF REACH FROM CHILDREN**

**SEE REVERSE SIDE FOR  
INSTALLATION INSTRUCTIONS**

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# PROFLEX™ HYDRA-SEAL

## APPLICATION INSTRUCTIONS

PROFLEX Hydra-Seal is a thin, load bearing, crack-isolation, waterproof membrane, it provides a monolithic transition for crack-isolation and waterproofing applications. The material is installed in a semi-fluid state and can be applied to most shapes or irregular form such as base flashings, walls, etc.

PROFLEX Hydra-Seal is for use in areas requiring waterproofing and/or crack-isolation for thinset tile and stone applications. The membrane can be installed over most sound substrates.

### Application Instructions:

Proflex™ Hydra-Seal, 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™ Hydra-Seal. 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™ Hydraseal 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.
  - Cracks and Control joints exceeding 1/4" (10mm) Conditions exceeding these must be filled with an approved sealant prior to the application of Proflex™ Hydra-Seal
  - 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.

### APPLICATION:

#### Surface Preparation -

Concrete– Surfaces shall be brought to a uniform finish and free of dirt, grease, oils, and any film-forming curing compounds. Concrete mix shall be sufficiently low water-to-cement ratio to ensure the cohesive strength necessary to accept the overlay. If a water runoff is required (min 1/8" per lineal ft.) it must be provided for in the concrete slabs. High early strength and insulating concrete do not provide suitable substrates.

Other Surfaces– Contact a Proflex technical representative

#### Application-

#### **IMPORTANT: WEAR PROTECTIVE EYE WEAR, AND CLOTHING. HANDLE WITH NEOPRENE OR RUBBER GLOVES**

Hydraseal can be applied using airless sprayer, nap roller, or brush. Cracks exceeding 1/16" should be filled with Hydraseal. A dry film thickness of 60 mils is recommended over concrete or block surfaces. Apply the first coat at 35 mils and let cure between 2-24 hours, depending on humidity and air temperature (the product should be dry to touch, without a tacky feel). Apply a second coat of Hydraseal in the opposite direction of the first coat to fill pin holes and voids to achieve a total thickness of 60mils (approximately the thickness of a US-quarter). Coverage will yield 50sq.ft. / gallon. (Note, if Hydraseal is being applied solely for crack-isolation, a single coat application may be used, coverage will be 80sq.ft /gallon) Upon application of the second coat, a 24 hour cure time is recommended prior to the installation of finish surfaces. Flood testing is recommended 48 hours after installation.

For transition areas, floor to wall, or from a horizontal to vertical plane, immediately after first coat application at 35mils, fold mesh in half, with one half imbedded in the floor, and the other half imbedded to the wall. Imbed mesh with the flat, un notched side of a trowel. Ensure fabric is completely imbedded in the Hydraseal prior to the application of the 2nd coat.

#### 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 Hydra-Seal. Consult selected mortar or thin-set manufacturer for product suitability and approval for use with Proflex Hydra-Seal. 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

#### Protection

Hydraseal should be protected from foot traffic or exposure to dust, dirt, etc. by covering with Proflex Pro-Shield, until finish surface is applied.

#### Finish Surface Installation

Apply finish flooring in compliance with the publications listed above, for methods of installation over crack-isolation / water-proofing 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 need for movement joints, including perimeter joints with a tiled surface. Perimeter expansion of 1/4" must be maintained at all times. **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.

### SAFETY

Keep product from freezing. Avoid contact with skin where possible. Wash exposed skin areas promptly. If product gets into eyes, wash with water and immediately seek medical attention.

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