



## Base FR

### Fiber Reinforced Basecoat & Adhesive



#### DESCRIPTION:

- High Build basecoat for Teifs Flex, Airtight, Weathertight, Weathertight VNT, and Permadrain EIFS
- Adhesive to laminate EPS to listed substrates
- 50% acrylic paste to 50 percent cement
- Requires the addition of portland cement
- Impact resistant

#### USES:

EPS adhesive for the following substrates:

- Exterior-grade gypsum sheathing
- Glass mat gypsum sheathing
- Masonry, concrete and cement board

Basecoat for the following Teifs systems.

- Teifs Flex
- Teifs Airtight
- Teifs Weathertight
- Teifs Weathertight VNT
- Teifs Permadrain

Leveler and filler for masonry, concrete, stucco surfaces. For this application only, Base FR Fiber Reinforced Basecoat can be built up to 3/8 in. (9.5mm) thick in a single pass.

#### COMPOSITION:

- Binder Base: 100 percent acrylic polymers, compatible with portland cement
- Water Based: VOC compliant
- Color: Light Gray

## COVERAGE:

Depending on the condition of the substrate and method of application, approximate coverages are:

- As an adhesive:
  - 5/16 in. (8mm) notched trowel: 220-250 ft<sup>2</sup> (20-23 m<sup>2</sup>) /pail
  - 5/8 in. (16mm) notched trowel: 170-190 ft<sup>2</sup> (16-17 m<sup>2</sup>) /pail
- As a basecoat to embed Teifs Mesh: 180-210 ft<sup>2</sup> (16.7-19.5 m<sup>2</sup>) /pail
- As a double-layer basecoat to embed Teifs Mesh and Teifs Mat 20: 150-190 ft<sup>2</sup> (14-17 m<sup>2</sup>) /pail
- As a leveler, coverage depends upon the thickness applied.

## CONTAINER:

60 lb. (27.22 kg) net weight in plastic pails.

- Storage: Protect from sun and freezing at all times
- Do not stack more than 3 pails high
- Shelf Life: One year if protected from sun and freezing

## WORKING TIME:

Sets up in 1-3 hours after cement has been added. Pot life time is affected by humidity and temperature.

## DRYING TIME:

Full adhesive bond strength is reached after 1-4 days, depending on humidity and temperature.

## CLEANUP:

Water soluble prior to drying. Clean tools and containers with water before polymer/cement mixture sets.

## SURFACE PREPARATION:

- Planar irregularities are limited to 1/4 in. (6mm) or less in a 4 ft. (1,219mm) radius. Surface irregularities are limited to 1/4 in. (6mm) or less for masonry and concrete and 1/8 in. (3mm) or less for sheathing.
- Remove surface contaminants such as dust or dirt without damaging the substrate.
- Painted substrates must have the paint removed by methods which result in no more than 10 percent of the remaining surface having paint.
- For additional options for surface preparation, contact Teifs Technical Services Department.

## MIXING:

- Use clean equipment for mixing and preparation.
- Thoroughly mix one 60 lb. (27.22 kg) Teifs Base FR Fiber Reinforced Basecoat & Adhesive pail with up to 1 gal. (3.75 L) of clean potable water, using a heavy duty 1/2 in. (13mm) drill with a rust-free paddle at 400-500 rpm.
- Pre-measure 60 lb. (27.22 kg) of portland cement.
- While stirring the Base FR Fiber Reinforced Basecoat & Adhesive, add small amounts of portland cement in increments to obtain a final ratio of 1:1, Base FR Fiber Reinforced Base to portland cement.
- Small amounts of clean potable water may be added to adjust workability.
- Let the mixture stand for five minutes after initial mixing, then stir again, re-tempering once only as needed workability.
- Teifs Base FR should be used immediately after tempering. Keep container closed when not in use.
- Half batches may be mixed for convenience.
- No additives of any kind, such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc., should be added under any circumstance.

## APPLICATION:

- Read the entire label before using this product.
  - Adhesive Application: Apply the Teifs Base FR Fiber Reinforced Basecoat & Adhesive to the entire surface on one face of the insulation board, using a 3/8 in. (9.53 mm) notched trowel for masonry and concrete or a 5/16 in. (8 mm) notched trowel for sheathing.
- The ribbons should be of uniform thickness and reach the perimeter of the insulation board. To ensure high initial grab and uniform adhesive contact, apply insulation board to the wall with firm pressure to the entire surface. Apply sufficient pressure to flatten adhesive ridges. Glass mat gypsum sheathing requires extra pressure.

- Basecoat Application: Rasp EPS board after 24 hours and when adhesive has fully cured and bonded. Using a stainless steel trowel, apply the Base FR Fiber Reinforced Base mixture to the rasped surface of the insulation board to a uniform thickness of 1/16 - 3/32 in. (1.5 - 2.4mm). Bed the Teifs reinforcing mesh immediately in the wet Base mixture. Smooth the surface of the Base FR Fiber Reinforced Basecoat & Adhesive mixture with a trowel until the reinforcing mesh is fully embedded and the basecoat thickness is approximately 1/16 in. (1.5mm). The pattern of the reinforcing mesh should not be visible at the surface of the Base FR Fiber Reinforced Base material.
- As a leveler or filler: Apply Teifs Base FR Fiber Reinforced Basecoat & Adhesive and trowel to a smooth, uniform surface. Maximum thickness in a single application will be no more than 3/8 in. (9.5mm).

## LIMITATIONS:

- Ambient and surface temperature must be 40°F (4°C) or higher during application and curing time. Provide supplemental heat and protection from precipitation as needed.
- Use only on surfaces that are sound, clean, dry, unpainted and free from any residue which may affect the ability of the Teifs Base FR Fiber Reinforced Basecoat & Adhesive to bond to the surface.
- Avoid application in direct sunlight in hot weather.
- Do not use as a leveler for EPS. Rasp EPS level.

## WARNING:

- Read complete warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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