

SUREWALL®

FRP Concentrate



DESCRIPTION:

- A fiberglass-reinforced stucco concentrate
- Factory prepared mixture of portland cement, glass fibers, and proprietary ingredients
- Specified sand is added at the job site
- Can be installed up to 5/8" (16mm) in one application

USES:

As a stucco base, apply FRP Concentrate over:

- Masonry, concrete, metal lath or stucco netting.
- Lath or stucco netting is applied over:
 - ◆ Building paper or continuous sheathing
 - ◆ EPS applied over building paper—framing spacing is approximately 16" (40cm) on center

COMPOSITION:

- Binder: Portland cement
- Filler: Glass fibers—add specified sand at job site
- Color: Grey

KEY PHYSICAL PROPERTIES:

Meets code criteria for exterior cementitious coating.

- ICBO ES Report # ER 4226 includes 1-hour fire-resistive assemblies

FRP Concentrate

COVERAGE:

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

- At 3/8" (9.5mm): 80 ft² (7.3m²) per bag.
- At 5/8" (16mm): 50 ft² (4.6m²) per bag.
- At 3/4" (19mm): 40 ft² (3.6m²) per bag.

PACKAGING:

80 lb (36 kg) net weight in a multiwall, water-resistant bag.

- Storage: Store off ground and protect from rain and moisture.
- Shelf life: Six months if protected from sun, freezing and moisture.

WORKING TIME:

Sets in 30–45 minutes after mixing, depending on conditions.

SURFACE PREPARATION:

- On masonry and concrete apply only to surfaces that are sound, clean, dry, unpainted, and free of any residue which may affect the ability of FRP Concentrate to bond to the surface.
- On lathed construction, apply to lathing installed in accordance with ASTM C 1063. Cover wood-based sheathings with two layers of "10 minute" or one layer of "60 minute" grade D building paper. Other sheathed substrates require one layer of "10 minute" Grade D paper.
- Do not apply to substrates which are frozen or contain frost or ice.
- Apply to surface prepared as for portland cement plaster.

MIXING:

- Start with approximately 3 gallons of clean potable water. Add approximately 60 lb of the ASTM C 897 sand. Add one bag of Surewall FRP Concentrate. Add remaining sand along with additional water - approximately 1–3 gallons for workability. Total amount of sand equals 200–240 lb. Allow the material to slake then break set. If needed, add water for workability.
- Use cool, clean water; let hose run to clear it of hot water.
- Sand: Sample and test in accordance with ASTM C144, and grade within the following limits*:

No. 4	--	0
No. 8	0	10
No. 18	10	40
No. 30	30	65
No. 50	70	90
No. 100	95	100

*Retained on U.S. Standard Sieve. Percent retained by weight + 2%.

- No additives of any kind, such as Portland cement, lime, rapid binders, antifreeze, accelerators, etc. should be added under any circumstances.

APPLICATION:

- Apply by hand trowel or plaster gun to a minimum 3/8" (9.5mm) thickness. The maximum thickness applied in one pass is 5/8" (16mm).
- For portland cement-based stucco finish, lightly moisten the surface of FRP Concentrate before application.
- Texture may be applied as soon as base has set sufficiently to receive it.
- FRP Concentrate should be kept moist by fogging with water for at least 24 hours after application, or longer in dry weather.
- Start light fogging after initial set of 1–2 hours.
- Allow FRP Concentrate to dry thoroughly before applying acrylic primers or finishes.

LIMITATIONS:

- All FRP Concentrate materials described should not be applied if ambient temperatures cannot be kept above 35°F (2°C) during application and drying periods. Prior to installation, the wall should be free of residual moisture.
- For installation in temperatures less than 35°F, supplementary heat must be provided.
- FRP Concentrate should not be applied if ambient temperature will exceed 120°F (49°C) within 24 hours of application.
- Protect plaster from uneven and excessive evaporation during hot, dry weather.

Job name _____

Contractor _____

Date _____

Submittal Approvals:
(Stamps or Signatures)

RES Architectural Sales, Inc.