



TRIPLE COMPONENT
CEMENTITIOUS COMPOSITE



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Technical Data

COVERAGE

1 Kit— **Xtreme Lightweight**
= 4 cubic ft. or 96 sq. ft. @
1/2"

TECHNICAL DATA

Compressive Strength
(C170) 2,200 PSI

Tensile & Flexural Strength
(C880) 850 pounds

Material Density
44 lbs. / Cubic Feet

R-value - 1.34

CURING

Although curing is accomplished through chemical reaction, weather conditions impart a measure of variability that must be considered. Hot, dry, and/or windy weather speeds up the reaction. Conversely, cold, damp weather will slow down the reaction. These variables may dramatically affect the progress of the cure. Common sense should dictate appropriate adjustments in timing the project.

DESCRIPTION

Xtreme Lightweight is a triple component lightweight bag mix that creates cast pieces that replace the heavy, bulky precast concrete architectural elements on and within construction. This new cementitious composite material has dynamic strength to weight ratios previously unachievable in the concrete industry. **Xtreme Lightweight** greatly reduces the materials and labor required to construct traditional architectural detailing and panels. It has superlative readability of its mold that enables the finished product to look like stone, tile, rock, wood, or any imaginable shape or design. With a wide range of color selection design considerations are nearly limitless. **Xtreme Lightweight** provides a resolutely durable precast element for a pleasing architectural detail.

MIXING

Xtreme Lightweight is packaged as a 5 – bag kit to be mixed in a mortar or concrete mixer. Mix times are affected in a large way by the mixer style selected. Among the most effective mixers for **Xtreme Lightweight** is the mortar or plaster mixer with a horizontal helix shaft.

Total mix elements:	Mix Directions
5-bags dry mix	Add 10 gals. water + 5 gals. modifier
12 1/2 gals.-water	Add color packs (if desired)
5-gals. Modifier	Start mixer, mix color for a couple mins.
20 oz.-additive	Add 5—bags without stalling mixer
	Mix approx. 5—10 mins.
	Add 1 1/4 gal. water + 20 oz. additive
	Mix approx. 2—8 mins.
	If and as needed add final 1 1/4 gal. water
	Mix = oatmeal or grits consistency

Total mix time can take > 20 mins. Note that mix will appear unreasonable dry. Do NOT add more liquid, wait for the chemical reaction to occur. The mix will only appear fluid near the end of the above process.

APPLICATION

Pour mixed material into form. While vibration is not absolutely required, it will help material to fill the form level, enhance readability, and reduce pin holes that may have been created by air. Any conventional molds will work for **Xtreme Lightweight** mix design. Appropriate form release is customarily necessary for good "pulls" from the molds. Material may be pulled in approximately 8 hours. However, thin pieces especially need extra care when pulling and handling. **Xtreme Lightweight** should cure for approximately 7 days before handling and a minimum of 14 days before installing. After product is removed from the mold it may be colored with **SureCrete's Eco-Stain**, but note that adding a liquid to product will slow the cure. Although not required, **Xtreme Lightweight** may be sealed with any of **SureCrete's** clear sealers. **FP2100** was formulated for **Xtreme Lightweight**.

LIMITATIONS

Do not allow **X-treme Lightweight Modifier** to freeze. Cast product in temperatures between 40° and 90° F. Competent contractors experienced in the placement of this product should apply this product.