SolidCast Polymer™ Ultra Lite Weight Mortar

Product Data Sheet

SolidCast Polymer™ Ultra Lite Weight Mortar is a two-component, high-strength, 100% solids, thermosetting poly-matrix-oligomeric, vinyl ester compound used in the construction of precast manholes risers, grade-rings, wetwells, lift stations in sanitary sewer applications: floors, sumps, trenches, tanks, vessels and bleach towers in chemical processing and food & beverage plants; laboratories and pulp & paper plants. SolidCast Polymer™ Mortar has excellent chemical resistance to mineral & organic acids, oxidizing bleach solutions and some organic solvents. SolidCast Polymer™ Mortar exhibits high physical properties and negligible shrinkage.

SolidCast Polymer™ Ultra Lite Weight Mortar carries the U.S. Green Building Council LEED’s certification.

SolidCast Polymer™ Ultra Lite Weight Mortar displays the following outstanding features & benefits:

- High strength
- High impact resistance
- Superior resistance to a wide range of chemicals & oils
- Excellent trowel ability
- Fast setting & fast curing
- Good UV stability
- Pre-packaged mortar unit/kit
- Strong bond to polymer concrete, metals, Portland cement concrete, and fiberglass composites
- Low absorption and shrinkage

SolidCast Polymer™ Ultra Lite Weight Mortar can be used for mortaring and/or grouting applications which include:

- Manhole risers and other precast components
- Grade-rings
- Brick & tile
- Precast polymer concrete structures
- Precast concrete structures

SolidCast Polymer™ Ultra Lite Weight Mortar contains no Hazardous Air Pollutants (HAP), Volatile Organic Compounds (VOC), or Styrene. There are no reactive diluents which could interfere with the curing mechanism or which could cause material loss during or after cure.

SolidCast Polymer™ Ultra Lite Weight Mortar may be hand-mixed using a paint paddle. It is crucial to thoroughly mix catalyst (part B) into resin/filler (part A). SolidCast Polymer™ Mortar can also be mixed by using a portable electric drill and paddle. Do not whip air into mix.

Curing:

For ambient temperatures between 55°F and 70°F (13°C and 21°C) completely thoroughly blend all packaged components during the mixing process.

Maximum cure times represent the amount of time required to produce ultimate compressive strength. Additional curing and higher strengths will be achieved over time.

PLEASE NOTE: SolidCast Polymer™ Ultra Lite Weight Mortar cure rates and trowel-ability is reduced at low temperature (below 55°F). All packaged components (resin/filler and catalyst) must be stored in ambient conditions, between 55°F and 70°F, for at least 24 hours prior to use. It is ideal to keep SolidCast Polymer™ Ultra Lite Weight Mortar materials in a dry and well-protected area until the job site is fully prepared for mixing and placement. Do not store materials in direct sunlight.
SolidCast Polymer™ Ultra Lite Weight Mortar TYPICAL PHYSICAL PROPERTIES

Compressive Strength: 6,000 psi
Flamespread Rating: Class A (I)
Linear Shrinkage: Not measurable
Pot Life: 30 minutes
Density: 60 lbs./cu.ft.
Shelf Life: 6 months (unopened)

SolidCast Polymer™ Ultra Lite Weight Mortar Packaging: (Each unit consists of .75 Gals.)

Resin/Filler (Part A): (1) / 5.75 lb. Can
Catalyst (Part B): (1) / .064 lb. Bottle

Before using read and follow the MSDS guidelines precautions and first aid directions carefully.
Use this reference as a guide only. The information is believed to be reliable, but no guarantee is made nor do we assume liability in connection with its use.

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