

LIGHTWEIGHT CONCRETE

Pre-Blended Lightweight Concrete

CONCRETE
STRUCTURAL

MANUFACTURER:

Empire Blended Products, Inc.
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PRODUCT DESCRIPTION:

LIGHTWEIGHT CONCRETE is a one component lightweight concrete mix ideal for any structural repair or construction where the weight of regular concrete mix may pose a problem.

USES:

- ▶ For concrete 2" thick or more
- ▶ Floors, decks, parking garages
- ▶ Roofs

ADVANTAGES

- ▶ Ready to use, just add water
- ▶ Eliminates dry mixing of multiple ingredients
- ▶ Plant blended, quality controlled mix design
- ▶ Lightweight

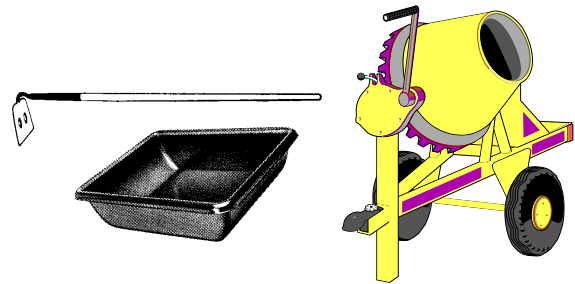
INSTALLATION:

Surface Preparation:

Prepare any necessary forms or holes to be filled prior to mixing. When applying over old concrete, be sure the base concrete is clean and free of dirt, dust, oils or paints that will inhibit bond. The use of EMPIRE BLENDED EM-BOND C is recommended where increased bond is desired.

Mixing:

Place material in a clean, suitable container (bucket, mixing box, wheelbarrow or power mixer). For each 50 pounds of dry material use approximately 4-5 quarts of water. Add $\frac{3}{4}$ of the mixing water and blend together. Mix until all liquid is absorbed. This will be a very stiff mix and will allow the addition of



more liquid to the mix without over-watering. Add the balance of liquid required to achieve a fully wetted mix with the proper slump. Do not over-water. Exact amount of water will vary depending on desired slump and consistency.

Placement:

After placing *LIGHTWEIGHT CONCRETE*, puddle the mix with a stick or rod to eliminate any voids in the material. Level the work with a straight edge. After leveling, allow concrete to set until all bleed water has evaporated before troweling. Choice of tool used in finishing is determined by the finish desired. A mason's brush or broom pulled across the top after floating or troweling will provide a slip resistant surface. To form a smooth edge, use a steel edging tool.

Curing:

Allow newly placed concrete to set firmly, then keep moist for 3 days by covering with damp burlap and fogging with water.

Coverage:

A 50 pound bag will yield approximately $\frac{2}{3}$ (0.66) cubic foot.

Packaging:

Available in 50 pound multiwall paper bags with moisture barrier.

Color:

Light gray

TECHNICAL DATA:

Compressive Strength (ASTM C-109):

1 Day.	3,700 psi
3 Days.	3,800 psi
7 Days.	6,700 psi
28 Days.	7,000 psi

Dry Density (ASTM C-29)

Dry 76 lbs. / cu. ft.

Wet Density (ASTM C-185)

Wet 97 lbs. / cu. ft.

Cured Density

Cured 90 lbs. / cu. ft.

LIMITATIONS:

Do not apply to frozen surfaces or if temperature will fall below 40°F within 24 hours.

CAUTION:

Contains Portland Cement CAS #65997-15-1. Freshly mixed cement products may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. If any product gets into the eye, rinse immediately and repeatedly with water. If ingested, **do not** induce vomiting and get prompt medical attention. **Keep Out Of Reach Of Children.**

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either Empire Blended Products or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.