



## Description

Cloud Stone is a patent pending lightweight concrete product consisting of individual expanded polystyrene (EPS) waste particles. Light weight aggregate used in Cloud Stone consists of up to 50% EPS based inner core and 50% proprietary, non-toxic outer shell. Approximately 50 % aggregate used in Cloud Stone mix consists of 99% recycled EPS particles with 1% outer coating.

Cloud Stone concrete is classified as Non-Hazardous.

# Product Data Sheet

## Features

- Do - it - yourself
- Ultra-Lightweight (Approx 5.0 – 5.5 Lbs/ SFT) to install over drywall/gypsum boards
- Glue to almost any rigid surface, which will not flex/bow, contract or expand due to humidity or environmental change
- Carpenter grade (saw able, nail able, glue able). Cut with an ordinary saw
- Easier and faster installation
- Non-Combustible (ASTM E84 Class A Flame and Smoke Rating)
- Contains up to 50% Recycled Content (By Volume)
- Helps Reduce Transportation, Handling and Installation Costs
- Enables Lighter Structure Weight
- Crafted from natural stone
- Great for fireplaces, feature walls, backsplashes, exteriors

## Benefits

- Improved Freeze-Thaw Resistance
- Increased Flexural Strength
- Tailored Compressive Strength
- Improved Crack Resistance
- Improved Thermal Resistance
- Decreased Permeability

**Sustainability:** Cloud Stone helps recycle the huge volume consumer waste product in the landfill into a lightweight, user-friendly and performance-enhancing product for use in building material. Traditional concrete products are typically made with heavy and rurally mined natural aggregates requiring energy-demanding processing, handling and transporting equipment and procedures. Conversely, the use of recycled, ultra-lightweight aggregate Cloud Stone concrete product provides significant potential for net carbon reduction. LEED documentation support and other product sustainability information is available from your Cloud Stone representative.

**Packaging:** Cloud Stone is packaged into recyclable card board boxes. A packaged amount remains consistent, although content weight may vary due to post-manufacturing-moisture evaporation or other atmospheric conditions.

**Storage:** Because of cardboard packaging, Cloud Stone should be stored in ambient temperature, dry space and away from open flame and heat sources.

**Safe Handling:** Cloud Stone contains light weight aggregates, cement, sand and other additives. As with all dust generating material, adequate dust mask and eyewear should always be worn when handling/cutting this product. Care should also be taken to inhibit wind or fans from dispersing dust particles during cutting process. Good housekeeping should be observed to maintain clean work surfaces.

**Water Absorbance:** Cloud Stone has negligible water absorbance due to the closed cell nature of the EPS particles and its surface coating material.

**End-of-Life-Cycle Usage:** Cloud Stone can be recycled for backfill, roadbed and other forms of recycled concrete uses. Please contact your Cloud Stone representative to discuss further recycling specifics.

**Testing & Certification:** Please contact your Cloud Stone representative for current ICC, ASTM and/or other testing and certification data.

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