



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.

Rocky Mountain Stoneworks Ltd.
26076 31B Ave
Aldergrove BC V4W 2Z6

www.cloudstonewalls.ca

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