TECHNICAL DATA

PRODUCT DESCRIPTION
Our stone veneers are for both interior and exterior use. It is a manufactured, pre-cast, artificial lightweight stone veneer that is similar in colour and texture to natural stone. The products are made from a light weight concrete mix consisting of Portland Cement (ASTM C150, Type I or III), light weight aggregates (ASTM C330 or ASTM C332), sand (ASTM C144), air entrainment and mineral oxide colours (ASTM C979). The stones are pre-cast in various sizes, shapes and surface textures.

BASIC USE
The Cerastone brand of lightweight masonry veneer is intended for interior and exterior non-structural facing. It can be applied to steel stud framing, wood frame, and concrete structures for architectural aesthetics. Cerastone products are cast in molds using a unique process that replicates existing colours and texture with meticulous detail.

LIMITATIONS
Product should not be used below water level or as facing in areas subjected to abnormally high amounts of water and moisture. Chlorine and other chemicals may discolour the product and other masonry materials. Product should not be used in areas vulnerable to slush formed by chemicals used to melt ice or snow. Install a minimum of 4" above grade or 2" above pavement.

COMPOSITION AND MATERIALS
Cerastone products are cast in moulds using a unique process that replicated existing colors and textures with meticulous detail. Each colour and texture has its own blend of ingredients, including Portland Cement, lightweight aggregates and iron oxide pigments, producing the look and feel of natural stone. -27% Portland Cement -70% Lightweight Aggregates -.01% air entrainment -.1% water reducer (SPC) -.9% Calcium Chloride -2% Mineral Oxide Colours

APPLICABLE STANDARDS
-ASTM C39 -ASTM C150 -ASTMC207 -ASTMD226 -UBC 26-10 -ASTMC91 -ASTMC192 -ASTM C67 -ASTM C177 -ASTMC482 -UBC 15-5 -ASTMC567 -UBC 14-1

PHYSICAL AND CHEMICAL PROPERTIES
-Compressive Strength (ASTMC192/ASTMC39)
- 1800 psi (12.4 MPa)
-Bond Strength (ASTMC482)
- 50 psi (345 kPa)
-Thermal Resistance (ASTMC177)
- 0.355 per inch (25.4mm) of thickness
-Freeze/Thaw (ASTMC67)
- No disintegration and less than 3% weight loss

FIRE RATING
-UL723 (File #R7704 for Mineral Composition Units)
-Flame Spread, 0
-Smoke Developed, 0

OTHER
Specific Gravity: 1.4 ~1.6 g/cm3
Water Absorption: 13~15%
Compressive Strength: 120~140 kgf/cm2
Thermal Conductivity: 0.45~1.03kcal/mh C
Weight: 11 ~ 15 lbs/ft2 (39-59 kg/m2)
Avg. Thickness: 1 3/4", can vary between 1" - 2 5/8"