

# Technical Data Sheet

Pacific Stone Design



**Product Description:**

PSD's architectural pre-cast concrete units comply with manufacturing and testing procedures, quality control recommendations, and follow dimensional tolerances of 1/4", unless otherwise indicated. The architectural pre-cast concrete includes wall caps, corbels, columns, coping, balustrade, quoins, pavers, finials, moldings or any other decorative element designed to be cast out of concrete.

**Quality Insurance:**

PSD has over 10 year of pre-cast manufacturing experience. PSD pre-cast is inspected and tested in accordance with ACI 533.

**Delivery/Storage:**

PSD pre-cast will be packaged to protect the finish during transport. PSD should not be left packaged in direct sunlight for both coloration and curing reasons.

**Limitations:** Color variation is to be expected for all pre-cast products. Cement may cause irritation. Avoid contact. In case of contact with eyes, flush out with water immediately. If problem persists see a physician immediately.

**Test Data:** A trial mix was made and had a strength of 5390 psi @ 7 days and 5540 (average) psi @ 28 days.

**TESTING INFORMATION:**

<b>SAMPLE IDENTIFICATION:</b>	2322362	2322363			
<b>AGE DAYS:</b>	7	28			
<b>DATE TEST:</b>	07/12/2022	08/02/2022			
<b>SIZE (in.): Height X Diameter</b>	8.000 X 4.000	8.000 X 4.000			
<b>AREA (in.Â²):</b>	12.57	12.57			
<b>CRUSH LOAD (lbs.):</b>	67752	69638			
<b>COMPRESSIVE STRENGTH (psi.):</b>	5390	5540			
<b>HEIGHT-DIAMETER RATIO:</b>					
<b>CORRECTION FACTOR:</b>					
<b>CORRECTED STRENGTH (psi.):</b>					
<b>BREAK TYPE:</b>	IV	III			
<b>C.T.M. USED:</b>	BK	Forney96			



**Installation:**

- All installation of PSD pre-cast must comply with the preset masonry standards listed in ACI-533.
- PSD pre-cast must be installed to conform with structure tolerances within ± 1/4".
- Do not install units until supporting structure has been completed or attained minimum allowable design compressive strength.
- Install level, plumb, and true to line. Do not allow cumulative dimensional errors to develop.

**Material:**

1. Hi- Early Type III Cement: ASTM C 150
2. 1/4" Aggregates: ASTM C 33
3. Water: as required to produce a 4 inch slump
4. Silica Sand
5. Coloring Agent: ASTM C 979

**Warranty:**

A one-year limited warranty applies to all PSD products. Defective products will be repaired or replaced, during the warranty period, at no cost to the customer. Damages incurred from improper installation, vandalism, and acts of God are not covered.

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