

# Technical Data Sheet

Pacific Stone Design, Inc.



## Product Description:

PSD's architectural (GFRC) products units comply with manufacturing and testing procedures, quality control recommendations, and follow dimensional tolerances of 1/4", unless otherwise indicated. The architectural (GFRC) products 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 16 year of pre-cast manufacturing experience. PSD (GFRC) is inspected and tested in accordance with ACI 533.

## Delivery/Storage:

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

**Limitations:** Color variation is to be expected for all (GFRC) 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 3990 psi @ 7 days and 5620 (average) psi @ 28 days.

## Compression Test On Concrete

Sampled From : Batch # 1 @ Santa Ana Plant

Measure Slump: 5 in.

Mix: Type III Concrete

Spec. Str. (Psi): 4000 @ 28 days

2nd Spec. Str. (Psi): 0

Cast: 1/02/2015

Test Date 1/02/2015 1/29/2015 4/12/2006

Specimen #: 1-1 # 2-2 # 3-3

Cust. Spec #: 1 2 3

Age (Days): 7 Day 28 days 28 day

Dims (in): 8.01 x 04.00 8.01 x 4.006 8.00 x 4.007

Area (sq. in): 12.59 12.60 12.61

L/D or hp/tp: 2.00 2 2

Total load (ibf): 50177 70009 70615

Comp Str (psi): 3990 5560 5600

Corr Factor: 0.00 1 1

Corr Str (psi): 5530 5600

## Average 28 Day Strength: 5665

Procedure: ASTM C31, ASTM C39, ASTM C143

Specimen Shape: Cylinder

Specimen By: Rick Paquette Delivered By: TLSC

Received on: 1/03/15

**Compliance: Material Tested: Met**



## Installation:

- All installation of PSD (GFRC) must comply with the preset masonry standards listed in ACI-533.
- PSD (GFRC) must be installed to conform with structure tolerances within  $\pm 1/4"$ .
- 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. Glass Fiber AR (Alkali Resistant)
6. 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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