

# PROCAST® PC-1

High Performance All-In-One Admixture For PreCast Concrete

## TECHNICAL DATA SHEET

### OVERVIEW:

ProCast PC-1 is a combination of highly efficient water reducing and waterproofing compounds.

ProCast PC-1 provides higher strength, extreme low absorption, improved abrasion resistance and protection against freeze-thaw damage for architectural or engineered precast concrete.

Also, it greatly decreases mold release time and heightens color intensity. High flowability and reduced segregation permit faster placement of the concrete with minimum vibration.

### INTENDED USE:

Structural Building Components

Architectural Building Components

Water Handling Products:

- Pipes
- Culverts
- Catch basins

Transportation Construction:

- Barriers
- Curbs

Utility:

- Light pole bases
- Manholes

Cemetery

Agricultural

Marine Products

Airports

Railroads

*All Precast Concrete  
Requiring Greater Workability  
And Early Mold Release*

### BENEFITS:

- **HIGH STRENGTH-**  
Dramatically increases strength: Compressive, flexural, and tensile
- **HARDENING & DENSIFYING-**  
Over 30% harder and denser water
- **VAPOR CONTROL -**  
Reduces all vapor transmission up to 85%
- **INCREASED ABRASION RESISTANCE -**  
Resists scratches, gouges & wear due to increased hardness
- **COLD WEATHER PROTECTION -**  
Keeps concrete & mortar from freezing, sets quickly
- **CORROSION RESISTANCE -**  
No penetration of chemicals minimizes corrosion
- Enhanced color uniformity
- Reduce mold release time
- Reduce mold breakage
- Reduce efflorescence
- Reduce vibration required
- Waterproofing

### PRODUCT DATA:

Specific Gravity:	1.15 - 1.19
pH:	5.5 - 7.0
Appearance:	Light Brownish-Orange liquid
Shelf Life:	3 years from date of manufacture in original sealed container.
Storage Conditions:	Store in sealed container. Protect from extreme temperatures.

### RECOMMENDED DOSAGE:

1.5% - 2.5% by weight of Type-1/Type-2 Portland cement

#### IMPERIAL MEASUREMENTS:

##### ESTIMATOR'S GUIDE:

20 oz to 32 oz of ProCast PC-1 per 100 lbs. Portland cement

#### METRIC MEASUREMENTS:

##### ESTIMATOR'S GUIDE:

1.3 liters to 2.1 liters of ProCast PC-1 per 100 kgs. Portland cement

### APPLICATION:

Add 70% of estimated water required for specific water/cement (w/c) ratio followed by minimum recommended dosage of ProCast PC-1 (see recommended dosage).

Mix for 2 minutes and measure slump. Add additional ProCast PC-1, if greater slump is required, add incrementally to maximum dosage.

Do not retemper the mix.

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## PRODUCTS & TECHNOLOGY FOR CONCRETE AND MASONRY WORLDWIDE SINCE 1904



For over 120 years, Anti-Hydro Products, LLC has been integrally waterproofing many concrete and masonry structures all over the globe. The success of our core product Anti-Hydro "AH-1", has been attested not only by the commercial recognition accorded by its use in many prestigious projects worldwide, but also by tests performed by many governmental agencies and accredited independent laboratories.

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