



PORTLAND CEMENT



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as packaged by Paragon, is a finely ground powder that is gray in color. Portland Cement, when combined with water, produces a paste that binds sand and or rock to produce concrete or mortar.

FEATURES AND BENEFITS:

- ◆ Meets current ASTM C 150 Standards for Portland Cement Type I --II --V
- ◆ Packaged in one cubic and half cubic foot bags

USES:

- ◆ Concrete mixes
- ◆ Mortar Mixes
- ◆ Plaster Products

YIELD:

94 lbs.	=	1 Cubic foot
2538 lbs.	=	1 Cubic yard
1941 lbs.	=	1 Cubic Meter

MIXING:

The following proportioning of cement, sand and/or rock are guidelines only. The workability, strength and yield depends on the gradation and quality of the aggregates used and the water ratio selected.

Examples:

1) Concrete mix

Portland Cement	1 part= 94 lbs.
Sand	2 part = 188 lbs.
Rock (1/2" crushed)	3 part =282 lbs.

Water-cement ratio that you select will determine the strength of your concrete mix. Consult the following reference for ratio that suits your needs. Portland Cement Association (PCA)

"Design and Control of Concrete Mixes"

2) Mortar Mix (Type S)

Portland Cement	1 part	= 94lbs.
Lime Type S	½ part	= 47 lbs.
Plaster Sand (dry)	4 part	= 376 lbs.
Water-Cement ratio	0.46	- 0.51

3) Scratch and/or Brown Coat

Portland Cement	1 part	= 94 lbs
Lime Type S	¾ part	= 70 lbs.
Plaster Sand (dry)	4 part	= 376 lbs.

Consult the following:

Portland Cement Association (PCA)

"Portland Cement Plaster (Stucco) Manual"

Mix all ingredients thoroughly in a concrete or mortar mixer. Hand mixing is possible with a hoe and wheel barrel. Place wet material within one hour of mixing. Avoid over watering the mix, all cement mixes are stronger when water addition is kept to a minimum.

PLACEMENT:

For placement of all concrete, mortar and plaster applications refer to your City, State and Federal building code requirements.



PRODUCT INFORMATION

CONTINUED:

CURING:

Properly designed concrete and mortar will gain strength upon aging. The slower the cement product hydrates the stronger the end result will be. Always moist cure to assure even and proper hydration for at least 3 days depending on application.

TECHNICAL DATA:

This Product meets the standard chemical and physical requirements for Portland Cement Type I-II-V as given in ASTM C -150.

PACKAGING:

94 lb. / 42.5 kg Multiply Bags

47 lb. / 21.2 kg Multiply Bags

LIMITATIONS:

- ◆ **DO NOT** apply when the air or substrate temperature is below 40° F within 24 hours of application.
- ◆ **DO NOT** over water
- ◆ **DO NOT** over mix
- ◆ **DO NOT** apply over substrates that are frozen or contain frost.
- ◆ **DO NOT** use dirty water or tools.
- ◆ Application in cold or damp weather will increase the chance for the occurrence of efflorescence. Efflorescence occurs naturally and is beyond the control of Paragon.

TECHNICAL SERVICE:

For application procedures or conditions not specified in literature contact:

Paragon Building Products Inc.

2895 Hamner Avenue

Norco, CA 92860

Phone: 951-549-1155

Fax: 951-549-1177

Avoid hazards by following all precautions found in the MSDS (Material Safety Data Sheet), product labels and product information sheets. Please read this information prior to using the product. MSDS are available upon request at 951-549-1155.

CAUTION:

Cement causes skin irritations, may cause allergic reactions. Avoid eye contact or prolonged contact with skin. Use of a dust respirator, safety goggles and rubber gloves are recommended. Wash self thoroughly after any contact. In case of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately. Do not take internally. **Contains free silica don't breath dust. Prolonged exposure to dust may cause delayed lung disease (Silicosis). Always wear NIOSH approved mask for silica dust.**

LIMITED WARRANTY:

Paragon Building Products, Inc. (Paragon) warrants that this product and the materials used therein meet or exceed the applicable ASTM standards listed and in force at the time of manufacture. Paragon will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This warranty shall apply only if the product is used in strict accordance to applicable specifications and instructions provided by Paragon for its use, and Paragon shall not be liable otherwise. Replacement of any defective product or, at Paragon's option, refund of the purchase price of any defective product shall be the buyer's sole remedy under this warranty, and Paragon shall in no event be liable for any damages in excess of the purchase price of the defective product. **PARAGON SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES.**

This Warranty constitutes the sole warranty



CONTINUED:

given by Paragon in connection with this product, and Paragon has authorized no person to make or give any other warranties or representations, oral or written on its behalf. **In particular, there are no implied warranties, including without exception warranties of merchantability or fitness for a particular purpose.** No modifications of this warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Paragon.