

## PRODUCT DESCRIPTION

Portland Cement (Type I) is used to make concrete for a variety of building construction, repairs, stucco, or mortar applications such as sidewalks, floors, footings, patios, and setting posts, block, and brick. Meets ASTM C-150.

## WHEN/WHERE TO USE

- Basic building material for pavement, sidewalks, reinforced concrete buildings, masonry units, and more
- Interior and exterior
- Commercial and residential uses
- New construction and repairs

## ADVANTAGES

- Durable
- Cost effective
- High strength

## PACKAGING

Portland Gray Type I is available in:  
92.6 lb. (42 kg) bag (BOM #100908)  
46.2 lb. (20.95 kg) bag (BOM #100910)

## TYPICAL YIELD

One 92.6 lb. bag contains 1 cu. ft.  
One 46.2 lb. bag contains ½ cu. ft.

## MIXING

Refer to the mix designs chart for typical proportions by volume per appropriate application.

Add the minimum amount of clean water necessary, too much water will weaken the product. Mix until uniform, workable consistency is reached.

## APPLICATION

Read all directions before starting work. Concrete will remain workable for at least 1 hour. The air, mix, and substrate temperatures should all be between 40°-90°F (4.4°-32.2°C). Protect from freezing for at least 48 hours.

## CURING

To aid curing, spray surface lightly with water 2-3 times per day for 3 days.

## Typical Mix Designs by Volume

Concrete Mix		
Portland Cement	General Purpose Sand (ASTM-C33)	Gravel or Stone (ASTM C-33)
1 Part	2 Parts	3 Parts
Mortar Mix (Type S, ASTM C-270)		
Portland Cement	Hydrated Lime Type S	Masonry Sand (ASTM C-144)
1 Part	½ Part	3½-4½ Parts
Stucco Mix (Scratch & Brown ASTM C-926)		
Portland Cement	Hydrated Lime Type S	Washed Plaster Sand (ASTM C-897)
1 Part	½ Part	4½-6 Parts

## CLEAN UP

Use warm, soapy water for cleaning hands and tools while product is wet.

## IMPORTANT NOTES

- Gloves and goggles are recommended safety equipment
- Use only clean mixing container and tools
- Store in tightly closed container off the floor in a dry place

*Proper application and installation of all TCC products are the responsibility of the end user.*

## WARNING

This product contains Portland cement. Contact with cement, freshly mixed concrete, or mortar can cause severe burns. The cementitious materials mixed onsite are alkaline in nature and on contact with water may irritate the eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating. Do not take internally. This product may contain silica. Inhaled silica dust may cause respiratory or other health problems. **KEEP OUT OF REACH OF CHILDREN.** READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product

## WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder

## ENVIRONMENTAL ADVISORY

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

**WARNING: INJURIOUS TO EYES**

**KEEP OUT OF REACH OF CHILDREN**

Shelf Life	One year in original, unopened container.
Storage Conditions	Store dry in tightly sealed container.
Color	Gray

## Helpful Items:



Safety Glasses    Gloves    Water    Concrete Mixer