



# Portland Cement

Gray Type I for 2" or greater depth concrete applications

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## PRODUCT DESCRIPTION

SAKRETE® Portland Cement Type I is used to make concrete where 2 in. (5 cm) thickness or more is needed to build or repair walks, floors, footings, patios, setting posts, and poles. Meets ASTM C-150.

## WHEN/WHERE TO USE

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

## ADVANTAGES

- Durable
- Cost effective
- High strength

## PACKAGING

46.2 lb. (20.95 kg) pail (BOM 120022)

## TYPICAL YIELD

One 46.2 lb. pail contains ½ cu. ft.

## MIXING

Use the following mix proportions by volume per appropriate application:

Typical Concrete Mix Proportions		
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

## Helpful Items:



Safety Glasses    Gloves    Water    Concrete Mixer

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.

## CLEAN UP

Use warm, soapy water for cleaning hands and tools while product is wet. SAKRETE Concrete Mortar Dissolver can be used if dried or hardened on tools and equipment.

## NOTES AND LIMITATIONS

- 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 SAKRETE products are the responsibility of the end user.*

## WARNING

**WARNING! CAUSES IRRITATION** - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Exposure may result in irritation of the skin, eyes or nasal passages from alkali in Portland cement. When wet, contact with the skin or eyes may result in irritation or burns. **FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get prompt medical attention; for skin, wash thoroughly with plenty of soap and water. If irritation persists, get medical attention. **WARNING! HARMFUL IF INHALED** - Avoid breathing dust. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including

pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen. **WARNING:** Wear protective clothing and equipment. **KEEP OUT OF REACH OF CHILDREN.** READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product.

## LIMITED PRODUCT WARRANTY

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement of defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

## 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.

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

**WARNING: INJURIOUS TO EYES**

**KEEP OUT OF REACH OF CHILDREN**