

PRODUCT DESCRIPTION

Portland Cement Type III is a low-alkali, special purpose hydraulic cement used to make concrete for a variety of building construction, repairs, grouts, or mortar applications where higher early strength than Type I-II Portland is needed. Use for those jobs where a structure must be put into service quickly or when forms need to be removed as soon as possible, such as pre-cast or pre-stress applications. Meets ASTM C-150.

WHEN/WHERE TO USE

- When construction calls for a fast-setting mix design
- Basic building material for pavement, sidewalks, reinforced concrete buildings, masonry units, and more
- Pre-cast and pre-stress applications
- Interior and exterior
- Commercial and residential uses
- New construction and repairs

ADVANTAGES

- High early strength
- Durable
- Cost effective
- High strength

AVAILABLE SIZE

- 92.6 lb. (42 kg) bag (BOM #100722)

TYPICAL YIELD

One 92.6 lb. bag contains approximately 1 cu. ft.

MIXING

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

| ASTM C150 Compressive Strength | |
|--------------------------------|-------------------|
| 1 day | 1740 psi (12 Mpa) |
| 3 days | 3480 psi (24 Mpa) |

Helpful Items:



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 |

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. Product will have initial set minimum of 45 minutes, and final set maximum of 375 minutes. 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.

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

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after

handling or before eating. Do not take internally. **KEEP OUT OF REACH OF CHILDREN.**

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 |