

## 1. Product Name

- TerraCem™ Hydraulic Cement

## 2. Manufacturer

Holcim (US) Inc.  
8700 Bryn Mawr Avenue  
Chicago, IL 60631  
Phone: (888) 646-5246  
E-mail: [ask@holcim.com](mailto:ask@holcim.com)  
Web: [www.holcim.us](http://www.holcim.us)

## 3. Product Description

### Usage

TerraCem™ hydraulic cement is a building material that is engineered primarily for use in soil stabilization, drying, and remediation work. TerraCem™ hydraulic cement is produced to meet the applicable requirements of ASTM C1157 for Type GU cement. The use of TerraCem™ results in a lower carbon impact than ASTM C150 Type I cement.

Some cements may meet several specification requirements. Contact the manufacturer for details.

### Packaging

TerraCem™ hydraulic cement is regionally available and can be supplied in bulk quantities.

### Composition and Materials

The primary ingredients of TerraCem™ hydraulic cement may include calcium silicate based clinker, limestone, gypsum and other mineral constituents. There are no restrictions on the composition of the cement or its constituents. They are ground to a fine powder that, when mixed with water, sets and hardens. The hydration of calcium silicates forms a fiber-like material called calcium silicate hydrate (CSH).

All manufacturing is quality controlled to ensure product conformance.

### Types

Type GU hydraulic cement for general construction; used when 1 or more of the special types are not required.



Photo credit: Odum Concrete Products, Marion, Illinois

*Soil stabilization using TerraCem*

### Benefits

TerraCem™ hydraulic cement is a building material that is engineered primarily for use in soil stabilization, drying, and remediation work. To achieve this, particular care is needed when proportioning and mixing these products.

### Limitations

There are many variables that affect performance beyond the control of the cement manufacturer. Good construction practices are required in order to achieve desired results. Holcim (US) Inc. recommends that all proportions be evaluated for acceptable performance prior to use.

## 4. Technical Data

### Applicable Standards

Produced in accordance with:

- **ASTM C1157** Performance Specification for Hydraulic Cement

### Physical / Chemical Properties

TerraCem™ hydraulic cement is manufactured to conform to all applicable requirements for the designated type of ASTM C1157.

## 5. Installation

### Requirements

For best practices in utilizing hydraulic cement, consult specific project requirements or applicable specifications and guides as available from the American Society of Testing and Materials (ASTM), American Concrete Institute (ACI), or other reputable industry organization.

### Preparatory Work

Deliver products in manufacturer's original, unopened, undamaged, containers with identification labels intact. Store materials protected from exposure to harmful environmental conditions and at temperatures and humidity conditions recommended by the manufacturer.

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

### Safety Precautions

Refer to the applicable Safety Data Sheet (SDS), which should be consulted prior to the use of this product. These SDS's are available at [www.holcim.us](http://www.holcim.us).

Avoid direct contact with the skin. If contact occurs, wash skin with water as soon as possible. Exposure of sufficient duration to cement can cause serious and potentially irreversible tissue destruction in the form of chemical burns. If cement gets into the eyes, immediately flush eyes thoroughly with water and seek medical attention. Proper PPE is always required.

## 6. Availability and Cost

Availability: TerraCem™ hydraulic cement is regionally available. Contact the nearest Holcim (US) Inc. sales office for availability in your area.

Cost: Pricing information can be obtained from the nearest Holcim (US) Inc. sales office.

## 7. Warranty

Upon request, Holcim (US) Inc. can provide Material Certification Reports demonstrating that TerraCem™ hydraulic cement meets applicable ASTM standards. Holcim (US) Inc. will not guarantee finish work, having no control over the use of this product. Holcim (US) Inc. shall not be responsible for condition of cement after delivering to dealer or distributor.

## 8. Technical Services

Technical service is available by contacting the nearest Holcim (US) Inc. sales office at (888) 646-5246.

For questions on any technical information contained in the document, contact a Holcim (US) Inc. Technical Services Engineer for further detail.

## 9. Filing Systems

Additional product information is available from the manufacturer.

### Corporate Headquarters

Holcim (US) Inc.  
8700 Bryn Mawr Avenue  
Chicago, IL 60631  
(888) 646-5246

### Corporate Office

6211 Ann Arbor Road  
P.O. Box 122  
Dundee, MI 48131  
(888) 646-5246