

Type GU: General Use Portland Cement

1. Product Description

Basic Use: Lehigh Type GU cement is a general purpose hydraulic cement that can be used for most construction projects. It is formulated to be used in concrete, grouts and mortars.

Colour: Lehigh Type GU cement has a normal colour of light grey.

Limitations: Lehigh Type GU cement is designed to be mixed with water to harden. It should be used in an environment that is free of acids and sulphates.

2. Technical Data

Applicable Standards: Lehigh Type GU cement is manufactured to conform to CSA Standard A3001-08: "Cementitious materials for use in concrete" which is part of CSA A3000-08 "Cementitious materials compendium".

Physical Properties: Lehigh Type GU cement is a fine grey powder. CSA A3001-08 requires that Type GU cement have a minimum of 72% passing a 45 µm sieve.

Strength: According CSA A3001-08, mortar cubes made with Type GU cement will obtain minimum strengths as listed below:

3 days	-	14.5 MPa
7 days	-	20.0 MPa
28 days	-	26.5 MPa

Set Time: According to CSA A3001-08, a paste made with Type GU cement will attain an initial set in a minimum of 45 minutes and a final set in a maximum of 375 minutes, when tested by the Vicat method.

Specific Gravity: Lehigh Type GU cement typically has a specific gravity of 3.15.

3. Safety and Handling

Cement and wet cement mixtures can dry the skin, cause alkali burns and irritate the eyes and upper respiratory tract. Ingestion can cause irritation of the throat. When working with cement and cement mixtures, workers should wear gloves and clothing impervious to moisture. Further safety measures should include; dust masks, safety goggles and barrier cream for exposed skin.

4. Availability

Lehigh Type GU cement is available in 40 kg paper sacks or in bulk. Custom packaging may be available for selected large quantities.

5. Warranty

Lehigh Cement warrants that Lehigh Type GU cement meets the requirements of the applicable standards noted.

6. Product Storage

All cement must be stored in a dry weather tight enclosure. Bagged material must be stored on pallets which allow air circulation around them.

7. Technical Services

Technical information and services are available from Lehigh Cement.

Lehigh Cement