

EcoCem™ PLC (Type GUL Cement)

1. Product Description

Basic Use: Lehigh EcoCem PLC 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 EcoCem PLC cement has a normal colour of light grey.

Limitations: Lehigh EcoCem PLC cement is designed to be mixed with water to harden. It should be used in an environment that is free of acids and where there is no concern of sulphate conditions.

2. Technical Data

Applicable Standards: Lehigh EcoCem PLC 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". Lehigh EcoCem PLC is a Type GUL cement.

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

Strength: According CSA A3001-08, mortar cubes made with Type GUL 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 GUL 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 EcoCem PLC cement typically has a specific gravity of 3.10.

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 EcoCem PLC cement is available in bulk.

5. Warranty

Lehigh Cement warrants that Lehigh EcoCem PLC cement meets the requirements of the applicable standards noted.

6. Product Storage

All cement must be stored in a dry weather tight enclosure.

7. Technical Services

Technical information and services are available from Lehigh Cement.

Lehigh Cement

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