Type GUL Cement
Technical Data Sheet

General Overview

Ash Grove Type GU: is a sustainable, cost-effective, basic building material that is used in a wide variety of architectural and commercial concrete construction applications. Uses include cast-in-place, precast and prestressed concrete for buildings, bridges, roads, pipes, blocks, masonry mortars and grouts.

Produced to the requirements of the current Canadian Standards Association CAN/CSA-A3000 Cementitious Materials Compendium, Type GUL Hydraulic Cement is designated as general use limestone hydraulic cement. In some circumstances, cement may be specially ordered to meet some of the optional requirements of the above specifications.

Composition and Materials

The primary ingredients of Ash Grove Type GUL consist of finely ground Portland cement clinker, High Grade Limestone (between 6-15%) and gypsum. When mixed with water, Portland cement and water react in a process called hydration. The hydration reaction forms a gel-like material called calcium silicate hydrate and hardens into a solid monolithic mass.

Ash Grove Type GUL is a finely divided material that consists mainly of lime, silica, alumina, and iron oxide that combine in the kiln to form calcium silicates. Ash Grove Type GUL is manufactured under controlled conditions, and is laboratory tested to ensure consistent quality and uniformity. The high-grade limestone is inter-ground with clinker and gypsum during the milling process.

Admixtures

Freshly mixed (plastic) and hardened properties of concrete may be changed by adding admixtures (chemical, mineral or both) to concrete during batching. Some benefits of using admixtures are:

- Adjust time of setting and/or hardening rate
- Reduce water demand
- Increase workability
- Durability
- Provide cost-effectiveness

Applications

Ash Grove Type GUL, has demonstrated compatibility with Ash Grove HSF (Type GUb-SF) Slag Cement (GGBFS) (Type S) as well as with some combinations of fly ash and/or silica fume, proportioning, batching, mixing, placing, consolidating, finishing and curing, as well as proper sub-grade preparation, form work, uniform slump, and other techniques are critical to achieving the desired results. Do not change sources or proportions during a construction project without the prior approval of the project engineer.

Availability

Ash Grove Type GUL Hydraulic Cement is available in bags through Ash Grove dealers and distributors *(Multicrete Systems)* throughout most of Canada.

Website

For more information about Multicrete Group and all our related products visit us at https://multicretesystems.com/ or call us at (204) 262-5900

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REFERENCES

Ash Grove, Type GUL, SDS & Portland Cement -
https://www.ashgrove.com/safety-data-sheets
www.cementportal.com