CSA Cement (Calcium Sulfoaluminate Cement)

Technical Data Sheet

General Overview:

CSA us a hydraulic binder made with Calcium Sulfoaluminate Clinker that guarantees constant performance over time and excellent stability in terms of durability. CSA Can be used as a quick binder or in combination with Portland Cement to obtain products characterized by low shrinkage rate and quick development of strength in short curing periods. CSA allows formulating of products with a wide range of performance, since it is compatible with all types of additives that regulate setting time, plasticity, viscosity, expansion etc. CSA provides excellent durability, low permeability to aggressive substances and extreme high resistance to sulfate attacks.

Applications

- Quick hardening pre-mix plasters, dry mortar and concrete
- Pre-mix dry mortar and concrete for applications at low temperatures
- Pre-mix dry mortar and concrete with low permeability and high resistance to sulfates
- Pre-mix dry mortar and concrete packaged in bags, retain their performances after the package has been opened for a longer time compared to the same products made with calcium alumina cements
- Injection and shotcrete products
- Latest generation self-levelling screeds
- Quick-drying self-levelling screed
- Sefl-level screed with low Alkali-Silica Reaction (ASR) risk
- Self-levelling screeds subject to sulfate attack or to freezing and thawing cycles
- Small precast elements that must be quickly demolded
- Small precast elements of any color
- Small precast elements with high resistance to sulfates and to freezing and thawing cycles

Average Compressive Strength

In compliance with standard ASTM C-1600

Time	PSI
1.5 Hours	>2,200
3 Hours	>3,000
1 Day	>4,500
28 Days	>7,000

Initial Set Time: <20 min.

Safety Precautions

Normal safety wear such as rubber gloves, dust masks and safety glasses used to handle conventional cement-based products should be worn. Safety Data Sheets (SDS) are available upon request.

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

Buzzi Unicem

REFERENCES

Buzzi Unicem USA (CSA BROCHURE - https://www.buzziunicemusa.com/csa)