

Technical Data Sheet

BeliCem is a rapid setting belite based CSA cement, with high early strength. A blended hydraulic cement produced under tight quality control procedures using specially selected raw materials. The chemical constituents and the particle distribution contributes to its exceptional performance.

BeliCem cement is rapid setting and hardening, so close attention must be paid to the volume made in one time, in order to avoid loss of materials due to it being no longer workable.

CARBON FOOTPRINT

BeliCem is 2 – 6 times “greener” than Ordinary Portland cement.

To produce 1 to. of BeliCem, only 216 kg. of CO₂ is produced, as opposed to ~ 850 kg. emitted during the production of Portland cement. Also, Ordinary Portland Cement is calcined at temperatures ~1600 °C, whereas BeliCem only reaches temperatures ~ 1250 °C.

CALUMEX® **BeliCem®**

CALCIUM SULPHO ALUMINATE CEMENT

Chemical analysis

SiO ₂	≤	12	%
Al ₂ O ₃	≥	20	%
Fe ₂ O ₃	≤	2	%
CaO	≥	45	%
SO ₃	≤	20	%
TiO ₂	≤	2.5	%
LOI	≤	3	%
Free Lime	≤	1.0	%

Blaine	:	~4500	cm ² /g
Bulk density	:	~2,97	g/cm ³

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