

Technical Data Sheet

Ali Cem



Description

Ali Cem is a mix of sulphoaluminate clinker (Ali Pre) and micronized calcium sulphate dosed in stoichiometric proportion. Ali Cem allows users to adjust the setting time of their formulations by varying the mix ratio to Portland cement.

Applications

- Mixed with Portland cement, it is recommended for the following formulations:
- Technical rapid-setting mortars (for repairs, fixing, etc.)
 - Rapid or semi-rapid casting mortars
 - Mortars for mechanical spraying
 - Non-shrink mortars
 - Grouts
 - Rapid or semi-rapid drying screeds
 - Self-levelling rapid drying screeds
 - Rapid sealants

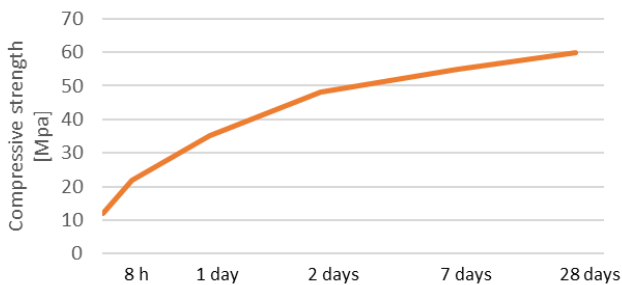
Sustainability

Ali Cem is produced using a percentage of recycled raw materials. Environmental impact indicators can be found in the product Environmental Product Declaration (EPD).

Physical & mechanical properties

Specific surface area – Blaine fineness (cm ² /g)	Dimensional Stability (soundness)	Initial setting time (min)
5000 ± 500	10	≤25

The initial setting test was carried out according to UNI EN 196-3, but with a different w/c ratio (w/c = 0.33 ± 0.22).



The strength measurement test was carried out on standard mortars according to UNI EN 196-1

Benefits

- Ali Cem allows the formulation of shrinkage-compensating products.
- Ali Cem allows controlling both setting time and strength development by changing the mix ratio to Portland cement.
- Ali Cem allows the formulation of products with rapid strength development.
- Ali Cem provides strength gain values in the medium and long term in excess of those shown by the best performing Portland cements.
- Ali Cem, if correctly stored, provides excellent stability over time, so that formulations do not require to be adjusted as a function of product aging.
- Ali Cem allows the production of premixes with excellent stability properties, thus extending the shelf life of products.
- Ali Cem is produced with micronised calcium sulfate dosed in stoichiometric proportion with respect to clinker, favoring the use of balanced mixtures.

Ali Cem may allow to obtain credits for some of the criteria in the certification system LEED (Leadership in Energy and Environmental Design) of buildings in urban areas.

Packaging and storage

Store in dry place.

For professional use only. The user is advised to conduct tests and assessments in order to define the suitability of the product for the intended application

Updated September 2026

For Information

Technical Assistance

sat.ita@heidelbergmaterials.com

Heidelberg Materials Italia Cementi Spa
Via Lombardia 2A
20068 Peschiera Borromeo, MI
heidelbergmaterials.it