

# CALUMEX AMORPHOUS CALCIUM ALUMINATE

## SC-A

Calumex SC-A is the original Amorphous Calcium Aluminate, Super Cement Accelerator. Due to its high reactivity, the setting times of Ordinary Portlandcement can be significantly accelerated at relatively low dosage (e.g. at a 10% replacement of OPC, Calumex SC-A will reduce final setting times from roughly 3 hours to ca. 1 minute). Furthermore, due to the controlled ettringite formation, similar to Calcium Sulfoaluminate Cement (CSA), high early strengths and accelerated drying is achieved.

## XT20

Calumex XT-20 is a new Amorphous Calcium Aluminate variation with an extended working time. Due to its extreme reactivity, Calumex SC-A can sometimes be difficult to formulate with, as in many cases a substantial amount of retarder needs to be added. XT-20 provides an extended working time, meaning it is more suited for applications where extremely rapid setting times are not desired. Furthermore, due to the more controlled reaction, early strengths will be even higher than is the case with Calumex SC-A.

## DELTA 20

DELTA-20 is a set retarder specifically formulated for Amorphous Calcium Aluminate Applications. It provides an extension of the workability, but maintains the short amount of time between the initial and final set.

## AFX-50

The latest amorphous technology that has been added to our product range is Calumex AFX-50, an amorphous flash calcined alumina. Depending on the required characteristics of the end formulation, Calumex AFX-50 can be dosed at a 1-5% replacement of the Portlandcement content.