

Retarder

For Amorphous Calcium Aluminate based Systems

- Specifically designed for fast setting systems
- Accurate adjustment of setting times
- Little to no loss in strength development
- Fine powder that quickly dissolves in slurry
- Can be added to dry mortar mix to improve characteristics
- Specially formulated for ACA-based systems
- Low dosage
- Improved workability



DELTA 20 is a retarder especially developed for highly reactive cementitious binders and mortars. It has been specifically formulated to retard the extremely fast setting times of Amorphous Calcium Aluminate (ACA) based mixes, such as those based on Calumex[®] SC-A and Calumex[®] XT-20, without sacrificing in other areas of performance, such as strength development and rapid hardening (after initial set), thus providing an improved workability combined with rapid hardening.

Recommended dosage lies between 0,3 – 0,5%, which will provide a significantly extended working time. Most importantly however, the final set will remain within several minutes of the initial set (depending on the dosage of both Calumex[®] SC-A or Calumex[®] XT-20 and of course DELTA 20 itself), thus retaining the Amorphous Calcium Aluminate's most important factor. Seeing as Calumex[®] XT-20 already provides an extended open time when compared to Calumex[®] SC-A, the addition of DELTA 20 opens up a wide range of new possible applications of Amorphous Calcium Aluminate.

Always be sure to carefully test the required dosage in any formulation, as this will vary depending various factors, such as the type of cement used, the ratio at which SC-A or XT-20 is added or the applied w/c factor.

For more information on product safety, please consult the latest Safety Datasheet.

NOTE: The information given above is provisional, as DELTA 20 is still a relatively new product. Keep in mind that the data is subject to change and that reactions can differ in different formulations.

The information given above is based on our current experiences and knowledge of the product. It gives no guarantee of the eventual result. The customer remains responsible for testing the product before use. Caltra Nederland B.V. cannot be held responsible for possible damage caused by (incorrect) use of its products. For additional information with regard to safe use, please consult the Material safety datasheet (SDS)

Special Cement Department

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