



The Ultimate Solution for Concrete Workability



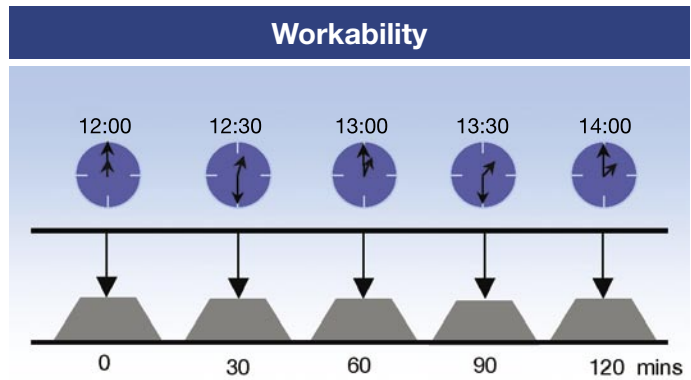
The Chemical Company



What is sureTEC?

sureTEC stands for Super Retention Technology. It is a concrete admixture technology that brings benefits to all concrete producers in terms of slump retention and early strength development. It assures concrete workability at the time of placing.

The new technology represents an evolutionary milestone in admixture innovation and was developed by our Research and Development team to provide a formerly unrivalled quality of slump retention of concrete.



What is the value of sureTEC?

With application of sureTEC, concrete producers gain control over the workability of concrete at the time of placing – far beyond previously known levels. No matter if low workability (e.g. 10 cm slump) or high performance Self Consolidating Concrete, the workability remains unchanged between batching plant and the site of placement for up to 2 hours or more. Noteworthy, sureTEC itself does not extend setting time and does not delay strength development.



As a result, concrete producers are enabled to provide a specified workability of concrete consistently, even if hot weather or traffic conditions or other factors make it difficult to estimate the time-window between batching and placing.

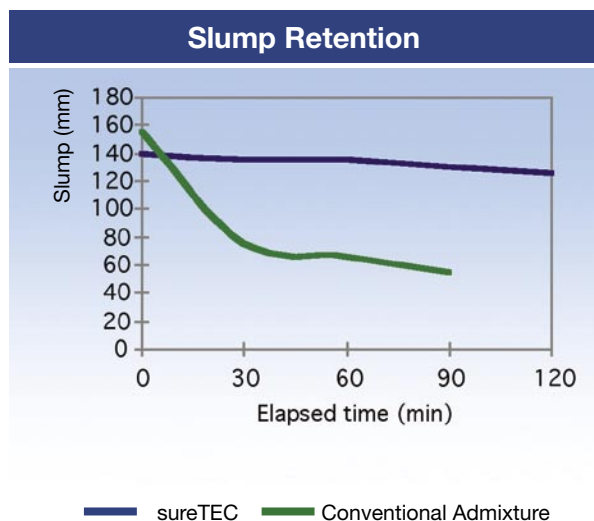
sureTEC also provides value to the construction companies. The excellence in terms of quality control of concrete at the same time assures consistency of workmanship, a decisive prerequisite for a long life-cycle of a construction.

What is the typical performance of sureTEC?

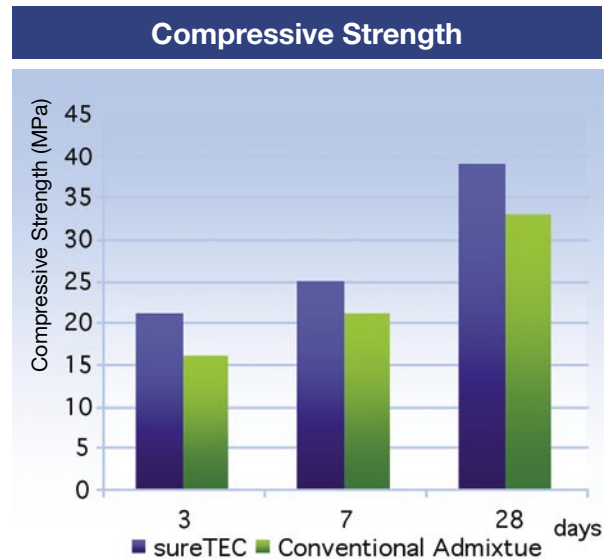
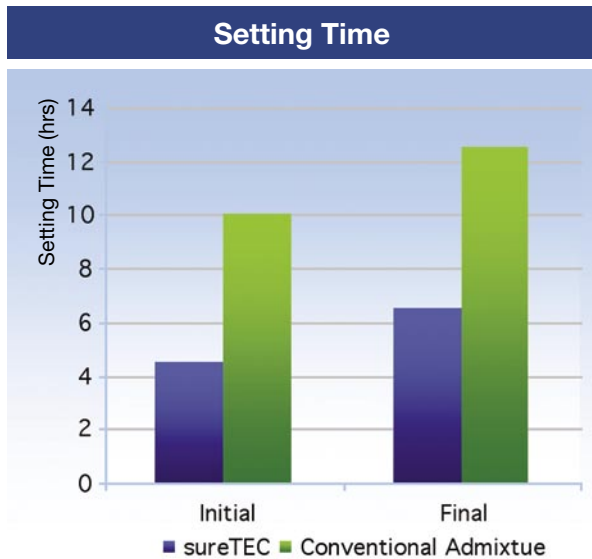
The sureTEC products are versatile and the range of applications is wide. However, the performance of sureTEC is described best when comparing with a conventional admixture in a mix-design which is demanding with respect to slump retention.

The graph below illustrates the superior slump retention of a sureTEC product in a normal slump concrete. Even though the slump retention outperforms the benchmark by far, it is a peculiar feature of sureTEC that the setting time is normal and hence the early strength development is superior compared with a conventional admixture.

The higher early strength characteristic is usually preferred in order to proceed faster with the respective construction. Upon requirement, the setting time can be prolonged conveniently.



sureTEC (left) vs Conventional (right) at 90 min elapsed time



How comes sureTEC to our customers?

The sureTEC concept can be applied in 2 different ways, depending on the needs and the sophistication of the application:

In Product:

sureTEC used as a building block in our proven products

For the convenience of our customers, we integrate the sureTEC properties into our existing products (“in product”). Concrete producers do not face any increased complexity and apply the admixtures they are familiar with, except that sureTEC is inside. Concrete producers simply dose the admixture from one single storage tank in one dosing line, as they are used to.



On Demand:

sureTEC as a stand-alone solution

Optional, we offer the sureTEC concept as a stand-alone solution. The technically sophisticated customer doses the sureTEC polymer solution “on demand” to the concrete, in addition to his normal admixture. This approach offers a large degree of flexibility and a significant potential for cost savings. An additional dosing unit is required.

In Product



On Demand



BASF's Construction Chemicals division is the leading supplier of chemical systems and formulations for the construction industry. Continuous innovation and tailor-made solutions ensure its customers are more successful. Its Admixture Systems business unit specifically helps customers in the ready-mix, precast and manufactured concrete and underground construction industries. The Construction Systems unit offers a wide range of products for sports and industrial flooring, external renders and wall insulation, expansion joints, wood preservatives as well as specialist repair mortars, tile adhesives and waterproofing membranes. The division operates production sites and sales centers in more than 50 countries. Further information on BASF Construction Chemical is available on internet at <http://ap.construction-chemicals.basf.com>

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