



CaFo tech

Enhancing strength & efficiency

Our superior additive for tile adhesives

- Secures superior all around performance
- Prolongs open time
- Accelerates hardening
- Increases adhesion strength

The elements of success

You need a partner who can see the big picture when it comes to your products, your processes and your customers. Our experience and expertise in the special niches of organic chemistry, process technology and application development are at your service, providing you with a complete chain of solutions to enhance quality and profitability at every step.

Our versatile intermediates, an essential element of your winning formula, are specifically designed to add value and enhance end-product performance. Your solution to meeting the increasing demands for safer, lighter, more durable and environmentally friendly end-user products, begins here.

Innovation in everything we do

Innovation distinguishes every aspect of our business process. Developing smarter and safer solutions creates real value in new chemical applications. Focused innovation instills leadership and purpose in our business activities, improves internal processes and increases application and product competitiveness.

Delivering our promises globally

Our global presence provides you with reliable solutions and processes, consistent high quality, security of production and supply and delivery with precision. This commitment also means rapid response when product or application support is required and the very best in technical support.

Putting the care into chemicals

We take our responsibilities to heart and are committed to attentive, sustainable business practices. We minimize risks for our customers, our employees and the environment by working proactively to ensure safe products and processes.



Enhancing strength & efficiency

Superior all around performance

CaFo tech is our calcium formate additive, designed to significantly improve the qualities and properties of tile adhesives. The additive increases the open time, improves adhesion and is a highly efficient strength accelerator. It is particularly suitable for tile mortars where you need acceleration and low skin formation. Furthermore it improves water stability, pliability and homogeneity.

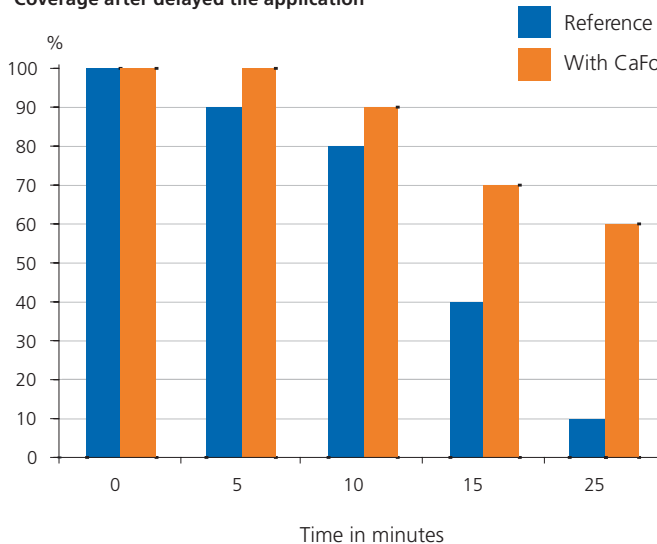
Convenient & productive

CaFo tech considerably extends the adhesive's open time making it much more convenient to work with. By prolonging the open time a larger surface area can be prepared, significantly speeding-up the tiling process and promoting a more productive working method. CaFo tech acts to minimize skin formation, which dries out the adhesive prematurely leading to a poor quality bond or adhesion once the tile is set. CaFo tech not only increases the adhesion properties between the tile and wall, but also accelerates the bonding process once applied. The result is always a stable, quality finish.

Constructing with chemistry

We have been developing additives for the construction industry since 1979. Utilizing our unique know-how in chemistry, we have been creating tailored solutions ever since. Our products have played a major part in the development of flow concrete and modern screed technology. Our additives are now used for a variety of advanced building applications, all with high demands on cost, technology and working environment.

Coverage after delayed tile application



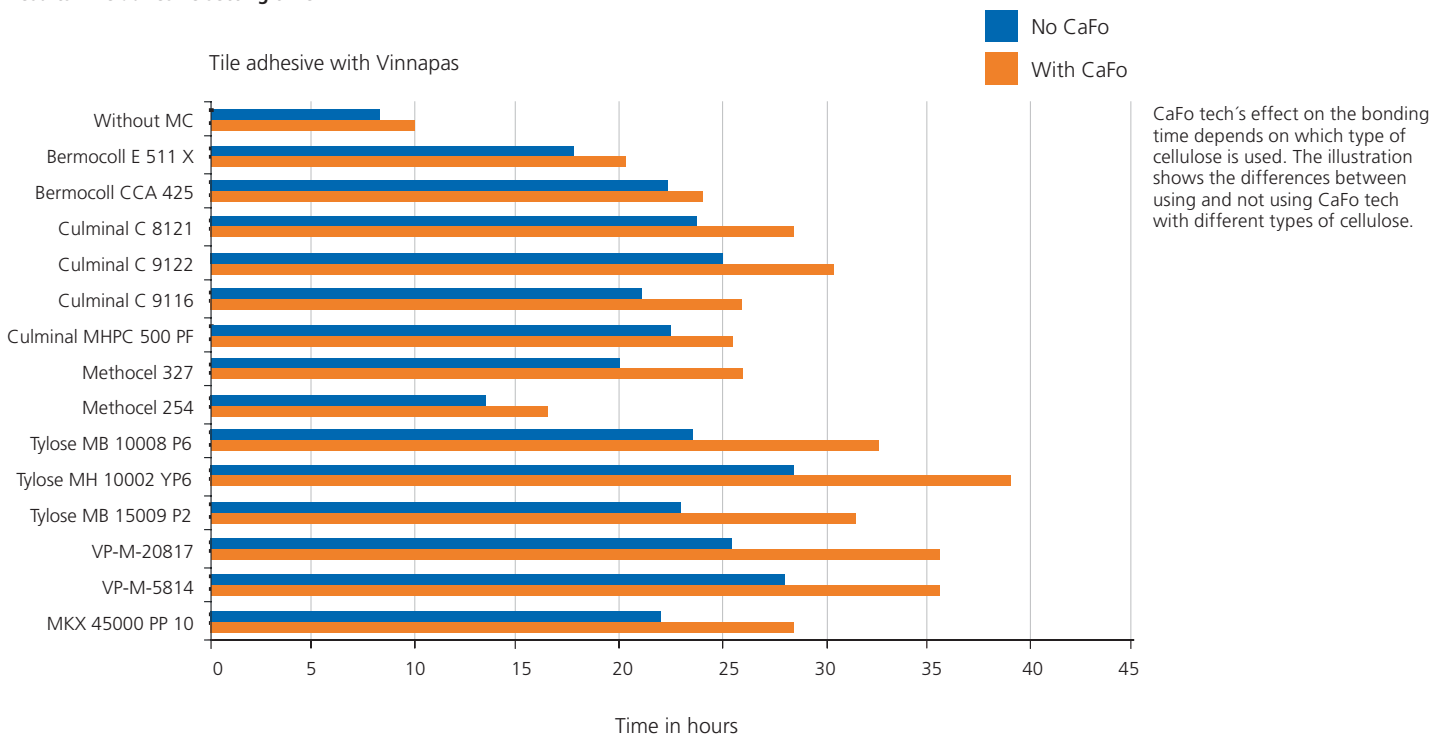
The effective open time is more than twice as long when using CaFo tech. The diagram shows how the time factor affects the paste transfer.



Accelerates hardening

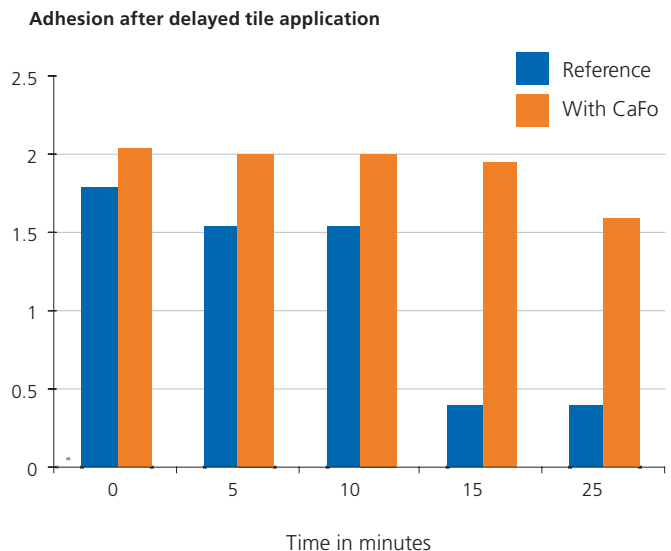
CaFo tech accelerates the hardening process by up to 30% depending on the type of cellulose ether used in the product formula. Adding cellulose to the tile adhesive helps to give a good water retention, suitable paste transfer and no sagging.

Results: Tile adhesive setting time



Improves adhesion

CaFo tech improves adhesion after delayed tile application due to the considerably prolonged open time. Skin formation is delayed and the effective working time is substantially prolonged.

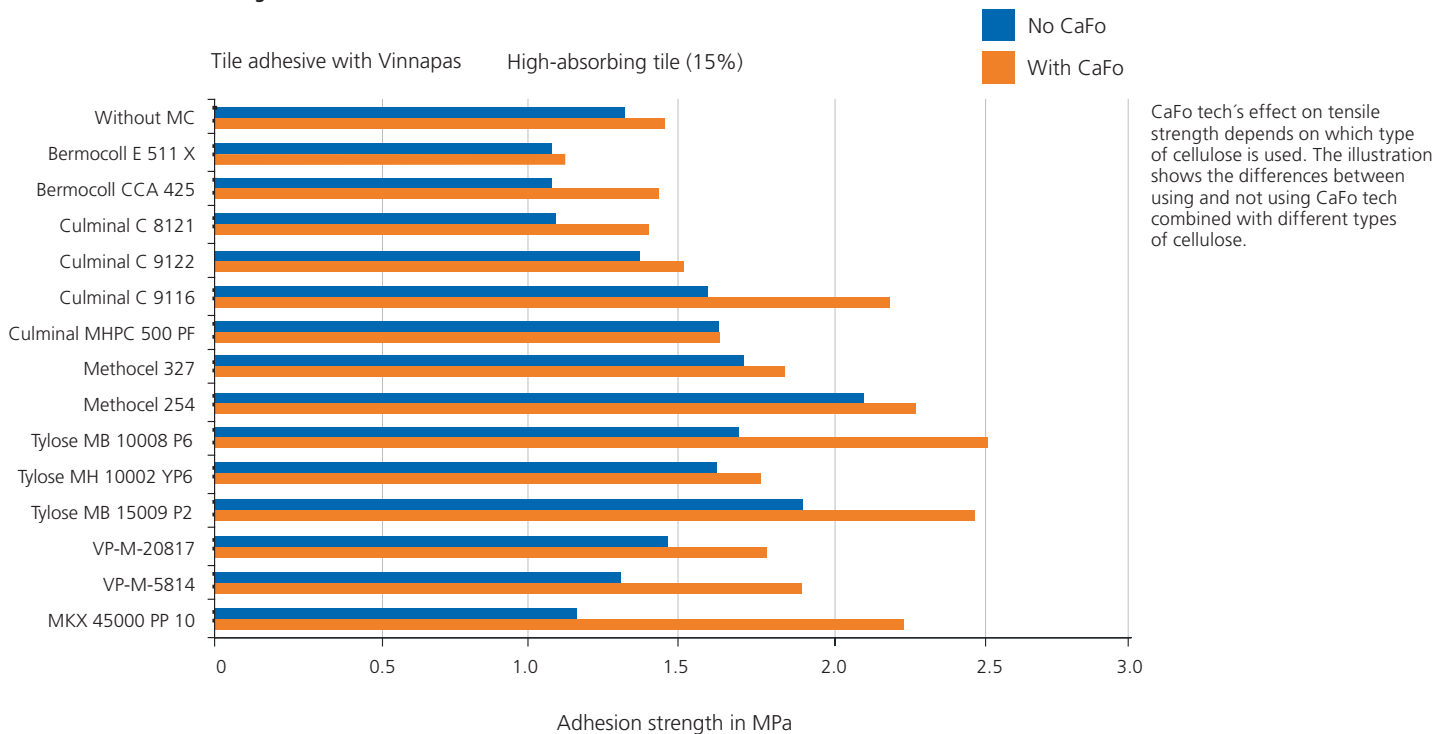


CaFo tech enhances the adhesion for both immediate application and delayed application. The illustration shows the differences using adhesives with and without CaFo tech. The longer the application is delayed, the better the adhesion result. The adhesion must meet at least 1MPa adhesion strength.

Increases strength

CaFo tech also increases the adhesion strength, which is a measurement of the tile joint's adhesive flexibility, both long and short term.

Results: Tile adhesion strength after 24 hours



Features & benefits

- CaFo tech gives the tile adhesive a more creamy and even consistency, which makes it more pliable and easier to work with. This eliminates the problem of "sticky adhesive".
- CaFo tech is chloride free. The product is a salt made from formic acid with such a low salt content that it is regarded as chloride free. This minimizes the risk for corrosion of reinforcement steel.
- CaFo tech increases the adhesive's water stability. This means that tiles are stable after drying, even in moist environments such as shower rooms and swimming pools. CaFo tech makes it easier for tile adhesives to achieve the European standards for usage in moist environments.
- CaFo tech is a white, crystalline, free-flowing substance with an optimal particle size to ensure that it dissolves easily and efficiently.
- CaFo tech has been specially processed to be odorless which is an environmental advantage.



Your winning formula

The Perstorp Group, a trusted world leader in specialty chemicals, places focused innovation at your fingertips. Our culture of performance builds on over 125 years of experience and represents a complete chain of solutions in organic chemistry, process technology and application development.

Matched to your business needs, our versatile intermediates enhance the quality, performance and profitability of your products and processes. Present in the aerospace, marine, coatings, chemicals, plastics, engineering and construction industries, they can also be found in automotive, agricultural, food, packaging, textile, paper and electronics applications.

Our chemistry is backed by reliable business practices and a global commitment to responsiveness and flexibility. Capacity and delivery security are ensured through strategic production plants in Asia, Europe and North America, as well as sales offices in all major markets. Likewise, we combine product and application assistance with the very best in technical support.

As we look to the future, we strive for the development of safer products and sustainable processes that reduce environmental impact. This principle of innovation and responsibility applies not only to our own business, but also to our work with yours. In fulfilling it, we partner with you to create a winning formula that benefits your business – as well as the people it serves.

Discover your winning formula at www.perstorp.com