

New Addition to INWHITE UHPC Family, Aalborg Excel® to Reinforce the Integration of Architectural Structure and Aesthetics



AALBORG EXCEL®, the 2nd UHPC premixed product, developed under the AALBORG INWHITE SOLUTION®, can satisfy manufacturers to seek the ultimate surface detailing and aesthetical expression, within aesthetic and architectural applications. The product is self-levelling and fast flowing, allowing combinations with pigments and fibers, achieving very smooth surface finishes, even with the most challenging shapes.

Based on the Cementir's newest binder patent technology FUTURECEM™, Cementir's two UHPC premix products AALBORG EXTREME® (The 1st UHPC product in the INWHITE Family) and AALBORG EXCEL® have unique properties and characteristics with a similar high compressive strength, and excellent properties in terms of tensile strength, shrinkage and durability.

The technology behind the EXTREME and EXCEL binders does not include silica fume, quartz flour, slag or fly ash in the formulation, which results in a unique offer among the UHPC spectrum of products. It still offers, however, highly advantageous pozzolanic components from a sustainable source. Self-levelling properties, long open time, high durability and high compressive strength, in the range of 140 MPa, makes EXCEL the perfect fit for architectural applications with thin and complex geometries.

By adding different types of fibers and pigments, both UHPC products can help architects achieve the integration of structure, function and aesthetics. They are perfectly suitable for the manufacturing of thin/slim concrete products with high aesthetic, mechanical and durability performance.



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