

## Technical product information

### QuantumPERFORMANCE

The product **QuantumPERFORMANCE** is used in concretes and influences the rheological properties of fresh concretes.

Depending on the amount of product added, the flow properties of the fresh concrete can be significantly improved. As a result of the improved flow properties, up to 50% of the superplasticizer content can be saved, particularly in the case of UHPCs. Furthermore, the water content can be reduced due to the improved flow properties, which has a positive effect on the w/c ratio and the strength development. This makes it possible to save and reduce the cement content and thus the CO<sub>2</sub> emissions of the concrete mix.

With standard concretes, the addition of **QuantumPERFORMANCE** improves the fresh concrete stability and prevents the tendency to sedimentation or even bleeding.

A suitability test is recommended.

Appearance	Dry powder
Color	White
Raw density	2,70 – 2,74 g/dm <sup>3</sup>
Storage	Dry, protect from moisture
Storage time	12 month in original package
Dosage	150-300 kg/m <sup>3</sup> for (U)HPC'S 20-50 kg/m <sup>3</sup> for standard concretes or according to application and suitability test
Area of application	Primarily: Architectural concrete, (ultra)high performance concrete,  but also: Standard concretes, special concretes, Further applications possible
Delivery	25kg paper bag, 1000kg BigBag, bulk on request

The technical data of our products are given to the best of our knowledge, but are not binding. Due to the wide range of material and environmental influences, we recommend a suitability test before use; it may be necessary to adjust the quantity used.