



Betoflow[®] D

Innovative fine GCC for grouts,
technical mortars and concretes



THINKING OF TOMORROW

Betoflow[®] D

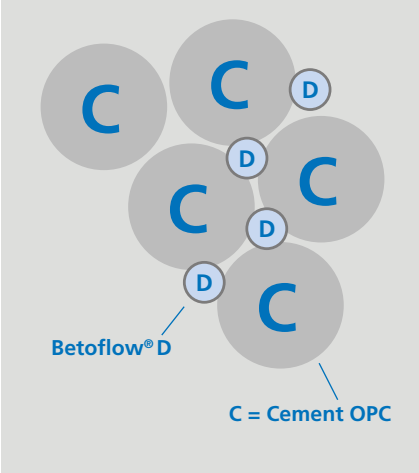
Selected fine GCC to support your innovation

Innovative mineral addition

Due to environmental reasons, the demand for technical Ground Calcium Carbonate to formulate ecological mortar & concrete is rapidly growing. Betoflow[®] D is a high purity Calcium Carbonate showing high compatibility with all additives to enhance the fine-packing and rheology behavior on innovative cement-based products. Betoflow[®] D is a new sustainable mineral addition to support the growth of infrastructure development resulting in an enormous demand for cement and supplementary cementitious materials.

Highlights

- *Natural and sustainable product*
- *Fine GCC*
- *High compatibility with chemicals*
- *High purity & controlled grading*



Product	Blue value (g/kg)	d50% (µm)	Water demand (%)
Betoflow[®] D	<3	3	>20

Product	Function
Betoflow[®] D	Betoflow [®] D is a Mineral Plasticizer [®] produced from selected high purity raw material of high fineness (d50<3µm) with high dispersibility. Dedicated to SLU, SCC, 3D printing and UHPC, Betoflow [®] D acts as a fine content enhancer for better flowability and viscosity reduction. Due to its high compatibility with chemicals Betoflow [®] D contributes to higher compactness, higher early strength and better dispersibility of the fine powders and pigments.

Stability & fine-packing improvement according to LG16[®]

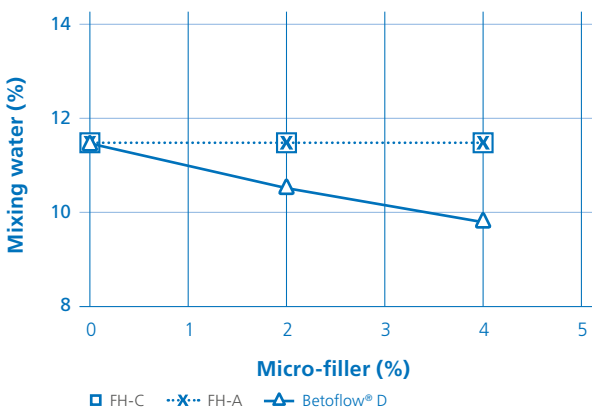


Figure 1



Cement based applications

Grout for anchoring



High performance grout	Parts by weight (g)
Portland cement	444
Betocarb® HP	40
SCM (1)	56
Betoflow® D	34
Sand	423
Admixtures	3
Total	1000

Water 20% of the total mass

(1) SCM: Supplementary cementitious material

Expected benefits

- Increasing flowability & workability
- Easy paste content optimization
- Enhancement of particle packing & stability
- Reduction of bleeding & shrinkage
- Better esthetics & colors
- Contribution to lower CO₂ emissions

UHPC



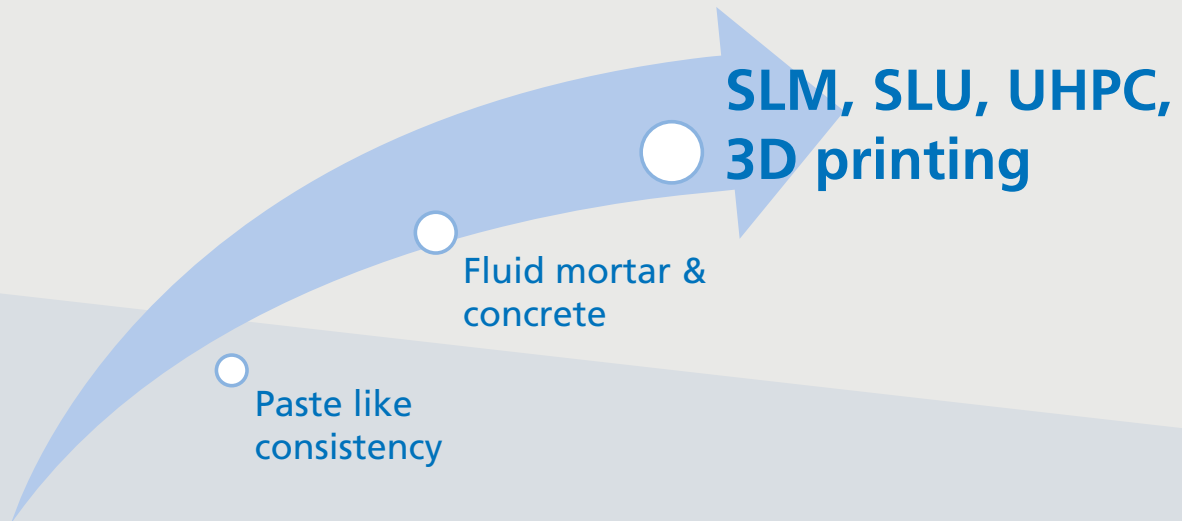
Compressive strength 120 MPa	Parts by weight (g)
Portland cement	374
SCM (1)	66
Sand	468
Betoflow® D	84
Admixtures	8
Total	1000

Water 9% of the total mass

Applications

- Technical mortar and concrete
- Anchoring mortars
- Self Leveling Underlayment (SLU)
- Self Compacting Concrete (SCC)
- High Performance Concrete (HPC)
- Ultra-High-Performance Concrete (UHPC)
- Cementitious grouting mortars

*Betoflow® D - the selected fine Ground Calcium Carbonate
to support your innovations and developments*



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