

The background of the advertisement is a photograph of a swimming pool. In the foreground, there is a pile of fine, light-colored sand. The pool water is clear and blue, with reflections of the sky and surrounding buildings. In the background, there are palm trees, lounge chairs, and a building with a pinkish facade. A semi-transparent blue box is overlaid on the left side of the image, containing the text.

Excellent filtration finesse

A TRUE REVOLUTION IN THE WORLD
OF POOL WATER FILTRATION.

UHPF CALIBRATED SILICA

Ultra high performance

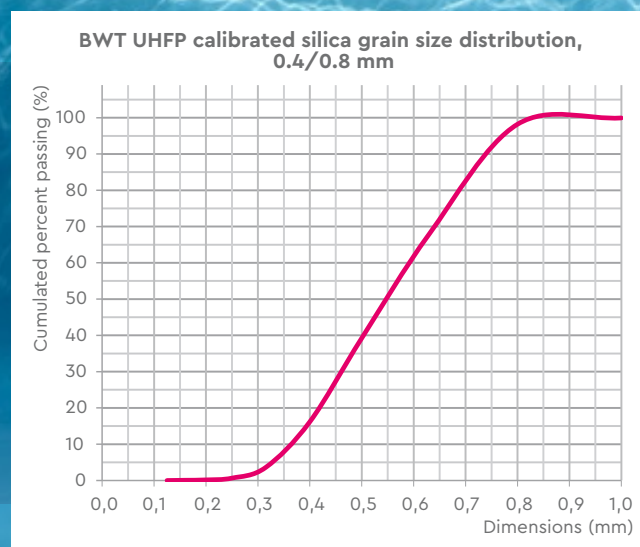
The new Ultra-High Filtration Performance calibrated silica was formulated especially for BWT. The super fine filtration it provides plays an important role in meeting the challenges we set; to reduce the consumption of pool chemicals and decrease the consumption of energy.

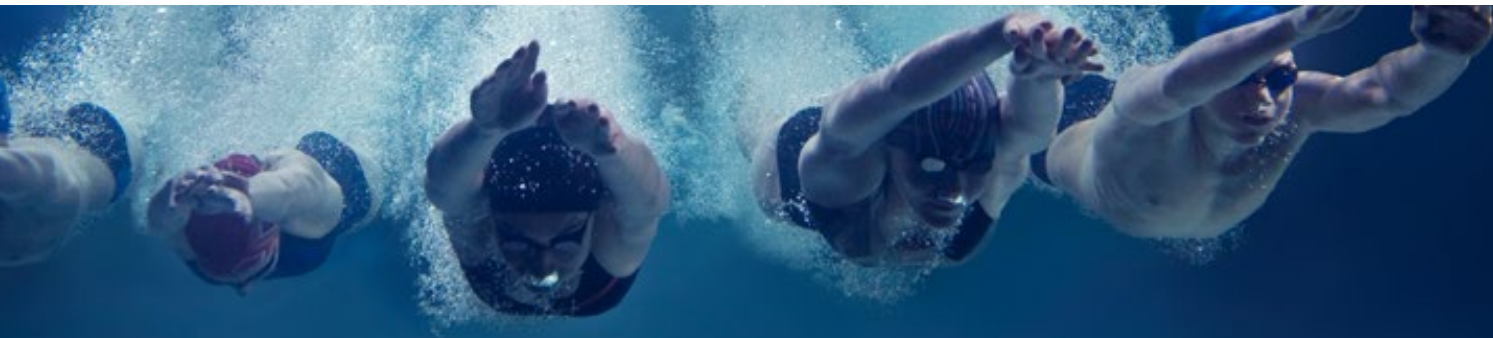
BWT UHPF calibrated silica is a highly siliceous quarry sand composed of 99.5 % Quartz. The sand is rated as 7 on the Mohs scale of hardness (10 being the maximum).

BWT UHPF calibrated silica complies with the French standard NF EN 12904 (Standard concerning products used for the treatment of water intended for human consumption - Quartz gravel and sand).

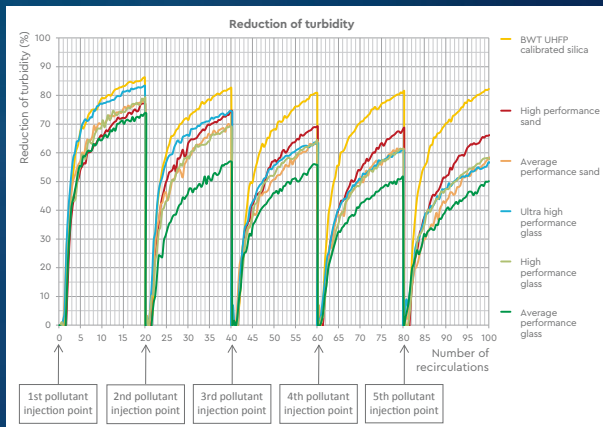
Chemical composition

SILICON DIOXIDE	> 99.5 %
ALUMINA	< 0.2
IRON OXIDE	< 0.1
CHALK	< 0.2
MAGNESIUM OXIDE	< 0.1
SODIUM	< 0.1





Filtration medium	Grain size of the 2 filtering layers	Speed of passage through the filter (m/h)	Turbidity reduction after 5 test cycles (%)
UHFP calibrated silica	Silica 0.4 / 0.8 mm Silica 2.5 / 5.0 mm	50	82,2
High performance sand	Sand 0.6 / 1.25 mm Gravel 2.0 / 4.0 mm	50	66,2
Average performance sand	Sand 0.8 / 1.3 mm Sand 2.5 / 5.0 mm	50	58,4
Very high performance glass	Glass 0.5 / 1.0 mm Glass 3.0 / 6.0 mm	50	57,8
High performance glass	Glass 0.5 / 0.6 mm Glass 1.0 / 1.1 mm	50	56,5
Average performance glass	Glass 0.7 / 1.3 mm Glass 2.0 / 5.0 mm	50	50,1



This new filtration silica, as well as all the various filtration sands and glasses on the market, were subjected to turbidity reduction tests in accordance with the standard NF EN 16713-1 Private family pools – Filtration systems.

However, we wanted to push testing further to mimic the operating conditions of a real pool subject to continuous pollution.

We conducted 5 test phases for each filter medium. At this time, the standard requires only 1 test phase.

The new BWT UHFP calibrated silica is a true revolution in the world of pool water filtration.

- The reduction of turbidity is directly dependant on the retention capacity.
- The retention capacity is directly dependant on the rate of passage through the filter.

Some players on the market claim a retention capacity of between 5 and 15 microns achieved by using ultra high performance glass.

Our study (detail on the page opposite) showed that UHFP calibrated silica reduces turbidity by 82.2%, while an ultra high performance glass only achieves a reduction of 57.8%.

UHFP calibrated silica reduces turbidity by 42% more than ultra-high performance glass.

This means that we can unequivocally state that UHFP calibrated silica is better than ultra high performance glass.

Furthermore, BWT UHFP calibrated silica achieves these performance levels without generating any load loss.

The manufacturing process, crushing and grinding, creates a more rounded shape that limits load losses.

The BWT UHFP calibrated silica provides a better retention capacity without increasing the pump's energetic consumption.

Therefore, it decreases the filtration time, decreases the consumption of pool chemicals and prolongs the service life of the filtration pump.



PROCOPI S.A.S.

Les Landes d'Apigné – B.P. 45328
35653 LE RHEU Cedex – FRANCE

+33 (0)2 99 14 78 78 ☎ +33 (0)2 99 14 59 05
✉ rennes@procopi.com

procopi.com

Dealer's stamp

A large, empty rectangular box with a thin black border, intended for a dealer's stamp or signature.