

NW40

Highly Controlled Glass Filter Media

Technical Data Sheet



NW40 is a filter media based on recycled glass that has been developed exclusively for water filtration. Among other features, it has been sanitised using the most advanced Ultra-Violet radiation and Ozone injection processes and is packaged in reinforced recyclable paper bags. NW40 focuses on retaining the vast majority of particles found in a swimming pool, providing a high level of filtration while saving water and energy. All this is achieved thanks to High Calibration Technology, a precise selection of the glass grains that make up the filtering mass, and which only requires one layer to perform.



PERFORMANCE

The quality of filtration depends on the retention capacity of suspended matter in the effluent. The High Calibration Technology guarantees a high retention capacity in all circumstances, returning hygienic and crystal clear water, thus contributing to the correct maintenance of the pool.



EFFICIENCY

The High Calibration Technology has been developed to keep the microchannels that form in the filter mass open. As a result, the head loss is minimal and the clogging capacity is extreme. Pump consumption is very low and backwash periods are extended, achieving high water and energy savings.



DURABILITY

The same effect of keeping the microchannels always open, allows a constant flow of water through the entire filter mass, without dark areas, thus avoiding the appearance of biofilm. This effect, together with its advantage of being applied in a single layer which allows it to be re-uliticisable, gives it an indefinite durability.

DESCRIPTION	High-calibration technical glass for water filtration
COMPOSITION	SiO ₂ (74%), Na ₂ O(13%), CaO(10.5%), Al ₂ O ₃ (1.3%), K ₂ O(0.3%), SO ₃ (0.2%), MgO(0.2%), Fe ₂ O ₃ (0.04%), TiO ₂ (0.01%)
COLOUR	Multicoloured glass
PARTICLE DENSITY	2.490 kg/m ³
BULK DENSITY	1.335 kg/m ³
PARTICLE SIZE	0,6 - 1,2 mm
FORMAT	20 kg FSC recycled paper bag with UV-resistant PE interlayer
PRECAUTIONS	Do not ingest
INCOMPATIBILITIES	Not detected
INSTALLATION	Install the NW40 High Calibration filter glass in the filter and backwash for 5 minutes before start-up.
RECOMMENDATIONS	Required quantity of NW40 according to the filter manufacturer's specifications: 20% less weight than silica sand is required. Before installing in the filter, check the condition of the collectors and preferably replace them.
MAXIMUM PERMISSIBLE FLOW RATE	90 m ³ /h/m ²
TYPICAL WORKING FLOW RATE	Between 15 and 50 m ³ /h/m ²
OPTIMUM AIR FLOW RATE INJECTION	50 m ³ /h/m ²
MIN. BACKWASH FLOW RATE	40 m ³ /h/m ²