



**GlassBerk**  
Glass Filter Media

| Information File

# HAKKIMIZDA

## About Us

---

Our company, which has been operating in the Aksaray Organized Industrial Zone for 10 years, operates in an indoor space of 6,000 m<sup>2</sup> on an area of 10,000 m<sup>2</sup>.

Our company has "Zero Waste" and Green Waste Certifications".

We produce our products by recycling domestic glass and vehicle glass, which is an extremely environmentally friendly material.

We are aware that waste materials are disposed of without using them in the recycling and recovery process, causing serious resource losses in terms of both material and energy.

We support the zero waste management system, which aims to protect the environment and human health, and all resources in waste management processes in line with the sustainable development goals by effective management of raw materials and natural resources.

The basic principle of our company is to set an example for future generations by collecting all the wastes suitable for recycling from the production plants in our region and contributing to their recycling.



*Special solutions for you*



**GlassBerk**  
Glass Filter Media

# Glass Filtration Media

GLASS FILTRATION  
MEDIA

It replaces the traditional sand media used in all filters. It is produced from a specific type of 100% recycled glass to achieve optimum particle size and shape.

The slippery surface of the media attracts small particles 300 times higher compared to the sand media thanks to its electrostatic negative charge (zeta potential).

Moreover, the glass mineral has self-sterilizing permanent redox potential and metal oxide catalysts.

Thus, it helps to extract metal oxides and other intended elements from water 4 times more compared to the sand.

It can be used for a longer period compared to sand because it does not contain any bacteria and organic waste on its surface.



# MAJOR ADVANTAGES COMPARED TO OTHER SAND MATERIALS

## Major Advantages Compared To Other Sand Materials

Since it is lighter than sand in weight, you can fill your filters by saving 20%.

Since its abrasion resistance is higher than that of sand, its service life is 4 times longer.

With its treatment performance, it offers savings for other chemicals.

It offers lower chlorine consumption and disinfection by-products compared to sand.

It saves a significant amount of water and energy in filter backwashing (min. 15%).

It does not cause calcification, flocculation, and petrification. Thus, it prevents channel formation and biological contamination.

Sands retain bacteria and algae over time. Bacteria and algae cannot adhere to glass sand.

It makes the water clearer by up to 30%.

It can filter down to a few microns at 100% efficiency without using filtration aids.

It is also suitable for potable water treatment, sewage treatment, and wastewater treatment.



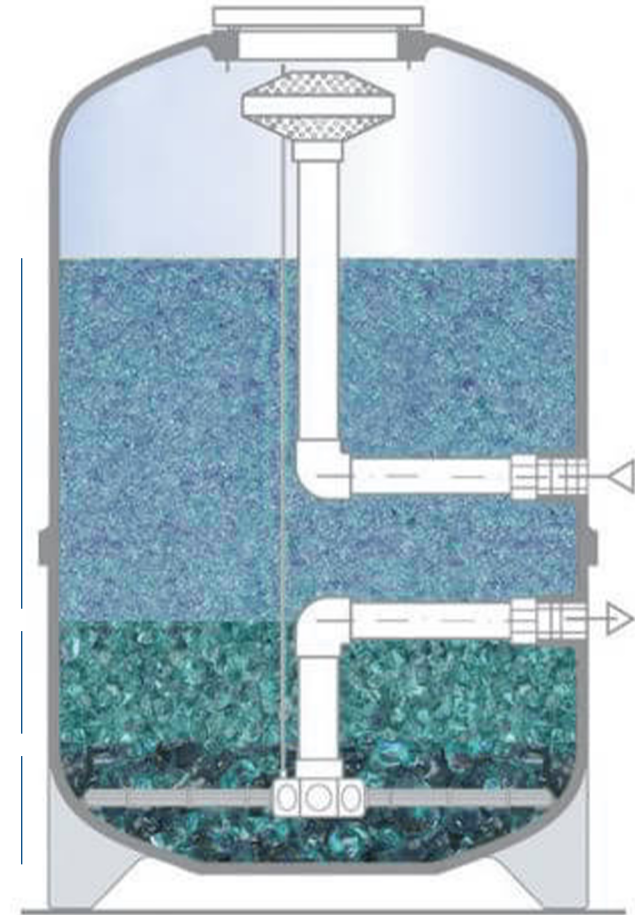
**GlassBerk**  
Glass Filter Media

# Suggestions About Filters And Their Treatment Performance

Grade	Dimension	Commercial Treatment	High Treatment
Grade 1	0,50 - 1	%70	%50
Grade 2	1 - 3	%15	%25
Grade 3	3 - 5	%15	%25

## Biological Advantages of its Use

Usage Areas	Biological Treatments
Municipal Waste Water	Phosphorus and bacteria, COD, BOD, TOC
Industrial Process Water	Organic pollutants and oils TSS, VSS and particles <1 micron
Industrial Waste Water	Colors and fine fibres, residual mineral oils



MADE IN TURKEY

NON HAZARDOUS



**GlassBerk**  
Glass Filter Media



**GlassBerk**  
Glass Filter Media



[www.glassberk.com](http://www.glassberk.com)



+90 (0382) 266 22 74



[info@glassberk.com](mailto:info@glassberk.com)



Erenler OSB Mah. 3. Sk. 20/1  
Aksaray/Türkiye



[glassberk.tr](https://www.facebook.com/glassberk.tr)



[glassberk filter media](https://www.youtube.com/glassberkfiltermedia)

