



Eco Glass Filter Media

**THE GREEN AND COST
EFFECTIVE FILTER MEDIA**



EGFM is suitable for both commercial and residential filters,

ECO-GLASS-FILTER-MEDIA

(EGFM) is the environmentally friendly filter media and a viable alternative to silica sand; made from glass recycled in the UK, it doesn't involve intrusive mining and the use of scarce resources.

EGFM has the green credentials, and with its superior performance is also cost effective against sand.

EGFM the Benefits Over Silica Sand

EGFM is more efficient

Saving on backwashing and the resultant water, energy and chemical treatment costs

- It's angular to sub-angular particle shape and bound silica content provides a 30% improvement in turbidity removal over silica sand
- It generally removes finer particles from water than the equivalent grade of silica sand
- It's non porous composition means its less likely to 'clump' or channel than silica sand
- With superior permeability, back washes take less time, saving water/sewer charges, and energy and chemical treatment costs

EGFM keeps cleaner

It's less susceptible to bio-fouling as, unlike silica sand EGFM's particles have a smooth surface area, so bacteria can't get trapped in any cracks or flaws, which translates to less remedial action and again less chemical treatment to kill pollutants

EGFM requires less material

It's less dense than sand, requiring 15% less media to fill the equivalent filter

EGFM doesn't degrade

It therefore has a longer life span and may not need changing even when the filters are due for refurbishment

Density comparison EGFM against sand

Dia of filter (cm)	Volume if filter bed is 1 mtr (m3)	Total Grade 1 & 3 Sand Required Tons	Total Grade 1 & 3 EGFM Required Tons
61	0.29	0.15	0.13
160	2.01	3.0	2.6
180	2.54	3.5	3.0
200	3.14	5.0	4.4
250	4.90	8.2	7.2
300	7.07	11.9	10.3

As EGFM is lighter than sand, it takes approximately 15% less EGFM to fill the filter bed to the same depth as sand

EGFM is available in three grades of media Grade 1, Grade 2 and Grade 3. All grades are milled down and are sharp free.



Grade 1 0.5mm - 1.0mm (16/30)



Grade 2 1.0mm to 3.0mm



Grade 3 3.0mm - 7.0mm (pea gravel)

Going green needn't be cost prohibitive, by using EGFM you will conserve natural resources and reduce land fill, as well as, save time, resources and money into the bargain

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MORE DETAILS, OUR DISTRIBUTOR
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