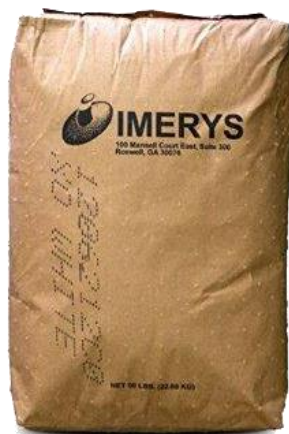


TECHNICAL PASSPORT OF THE PRODUCT



Calcite - is a naturally occurring calcium carbonate media, One of the advantages of Calcite is its self-limiting property, When properly applied, it corrects pH only enough to reach a non-corrosive equilibrium, It does not overcorrect under normal conditions,

Upon contact with Calcite, acidic waters slowly dissolve the calcium carbonate to raise the pH which reduces the potential leaching of copper, lead and other metals found in typical plumbing systems, Periodic backwashing will prevent packing, reclassify the bed and maintain high service rates,

Depending on pH, water chemistry and service flow, the Calcite bed will have to be periodically replenished as the Calcite is depleted,

As the Calcite's calcium carbonate neutralizes the water, it will increase hardness and a softener may become necessary after the neutralizing filter,

Advantages

- Naturally occurring material
- Low uniformity coefficient for maximum contact for controlled pH correction
- Slower reacting for controlled pH correction
- Inexpensive

Physical properties

Color	Near white
Bulk Density, lbs /cu.ft,	90
Mesh Size	16 x 40
Specific Gravity	2,7
Effective Size, mm	0,4
Uniformity Coefficient	1,5
Hardness (Mohs scale)	3,0
Composition:	
CaCO ₃ , %	95 min.
MgCO ₃ , %	3,0 max

Conditions for operation

Water pH range	5,0-7,0
Bed depth, in	24-30
Freeboard, % of bed depth	50 min
Backwash rate, gpm/sq. ft,	8-12
Backwash Bed Expansion, % of bed depth	35
Service flow rate, gpm/sq. ft,	3-6*

* but may be modified to adapt to local conditions.