

Calcite is a crushed and screened white marble media which can inexpensively be used to neutralize acidic or low pH waters to a neutral, less corrosive effluent.

# Calcite

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.

Calcite can be effectively combined with Clack Corosex to combine the high flow neutralization properties of Corosex, along with the slower reacting low flow properties of Calcite, increasing the ability to correct low pH.

## ADVANTAGES

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

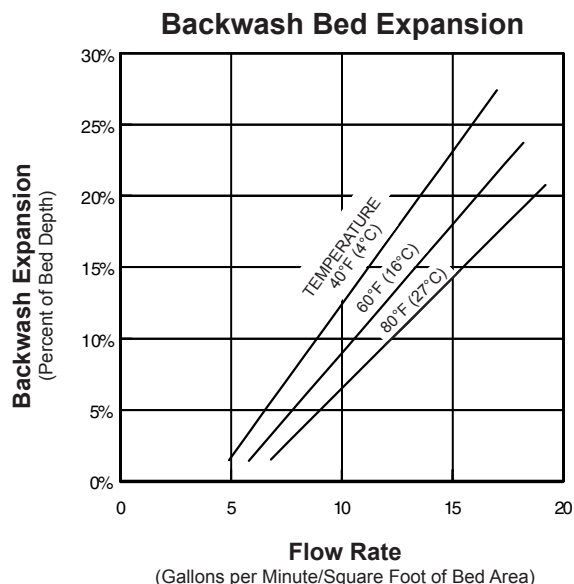
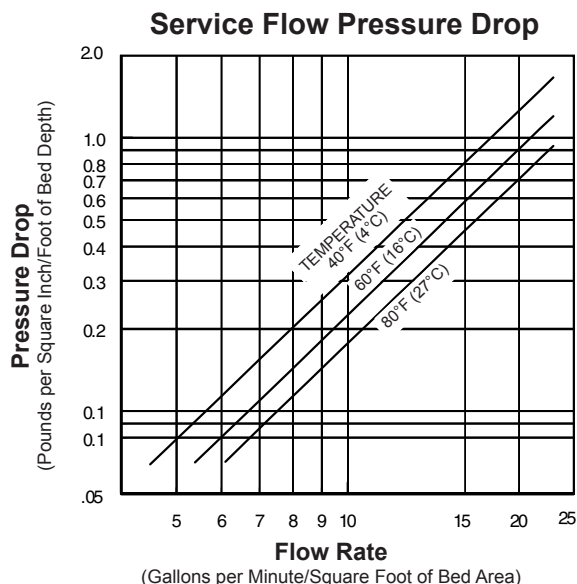
## PHYSICAL PROPERTIES

- Color: Near white
- Bulk Density: 90 lbs./cu. ft.
- Mesh Size: 16 x 40
- Specific Gravity: 2.7
- Effective Size: 0.4 mm
- Uniformity Coefficient: 1.5
- Hardness: 3.0 (Mohs scale)
- Composition:  $\text{CaCO}_3$ , 95% min.  
 $\text{MgCO}_3$ , 3.0% max.

## CONDITIONS FOR OPERATION

- A gravel support bed is recommended
- Water pH range: 5.0-7.0
- Bed depth: 24-30 in.
- Freeboard: 50% of bed depth (min.)
- Backwash rate: 8-12 gpm/sq. ft.
- Backwash Bed Expansion: 12% minimum
- Service flow rate: 3-6 gpm/sq. ft. but may be modified to adapt to local conditions





Certified to NSF/ANSI Standard 60

Calcium Carbonate XO White  
is manufactured by Imerys Marble Inc.  
Maximum usage is 650 mg/L.

## ORDER INFORMATION

| Part No. | Description | Cu. Ft./Bag   | Wt./Cu. Ft.* | Bags/Pallet | Weight/Pallet | Pallet Dimensions |
|----------|-------------|---------------|--------------|-------------|---------------|-------------------|
| A8021-01 | Calcite     | .55 (50 lbs.) | 90 lbs.      | 49          | 2486 lbs.     | 48" x 40" x 32"   |

\*Weight per cubic foot is approximate.

The information and recommendations in this publication are based on data we believe to be reliable. They are offered in good faith, but do not imply any warranty or performance guarantee, as conditions and methods of use of our products are beyond our control. As such, Clack makes no express or implied warranties of any kind with respect to this product, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. We recommend that the user determine whether the products and the information given are appropriate, and the suitability and performance of our products are appropriate, by testing with its own equipment. Specifications are subject to change without notice.

The information and recommendations given in this publication should not be understood as recommending the use of our products in violation of any patent or as a license to use any patents of the Clack Corporation.

The filter medias listed in this brochure do not remove or kill bacteria. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Clack will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products.



Clack Corporation

**LENNTECH**

info@lennotech.com Tel. +31-152-610-900  
www.lennotech.com Fax. +31-152-616-289