

Filter Aid CELATOM® FW-60

Diatomaceous Earth, Coarse

CELATOM FW-60 diatomaceous is a coarse diatomaceous earth for quick clarification of liquids with a high turbidity such as new wine, syrup, wort, and other high viscosity liquids.

The specific advantages of CELATOM FW-60 diatomaceous earth:

- Optimum dirt holding capacity
- Reliable filtration through rapid formation of an adherent filter cake
- Very economic due to the optimum ratio of flow rate and clarification sharpness
- Maximum purity, safe to use in accordance with German and EU regulations and US-FDA (Food and Drug Administration) requirements concerning the production of beverages

Technical Properties

Type	Unit	Celatom FW-60	in comparison BECOGUR 4500
Article No:		38025020	35450020
Permeability	Darcy	4,0 -6,5	4,5-8,0
Wet density	g/ltr	< 360	< 360
Dry solid content	%	> 99	> 99
Ash content	%	> 99,5	> 99,5
Fe, EBC Method	ppm	< 75	< 75
Ca, EBC Method	ppm	< 200	< 200
Al, EBC Method	ppm	< 100	< 100
As, EBC Method	ppm	< 10	< 8

Application

CELATOM FW-60 diatomaceous earth is used for diatomaceous earth filtration in the following filter devices:

- Pre-coat sheet/frame filters with washable support sheets (e.g. BECO® ENDURA® support sheets)
- Pre-coat filters (vessel filters) with horizontal or vertical screen elements
- Cartridges filters with vertical filter cartridges
- Rotary vacuum filters for separating larger solid quantities, according to the machine manufacturer's specifications
- Filter presses for sludge dehumidification: CELATOM FW-60 diatomaceous earth is mixed into the liquid sludge as a drainage aid or added as a pre-coat for improving filtrate clarification

Optimization of Pre-Coat Filtration

Filtration performance can frequently be improved by combining CELATOM diatomaceous earths with other filter aids, e.g.

BECOLITE™ filtration perlites,
BECOCEL™ filtration cellulose fibers,
BECOFLOC® pre-coat filter additives.

Product Characteristics

Diatomaceous earth is produced from the siliceous deposits of microscopic diatoms. The powdery CELATOM FW-60 diatomaceous earth is produced by mixing specially selected particle sizes. It is largely free from non-filtering components such as fine dust and silica sand.

Safety

When used and handled correctly, there are no known unfavorable effects associated with CELATOM FW-60 diatomaceous earth. Inhalation of dust is harmful. If dust forms, use an extractor or wear a breathing mask.

Further safety information can be found in the relevant Material Safety Data Sheet, which can be downloaded from our website.

Storage

As an active adsorbent, CELATOM FW-60 diatomaceous earth may take up moisture and odors. It must therefore be stored in undamaged packaging in a dry, well ventilated place without off-smell.

Check odors in aqueous suspension before use.

Delivery Information

CELATOM FW-60 diatomaceous earth is sold under article no. 38.025 and is supplied in the following package size:

44.1 lb (20 kg) multi-layer valve paper bag

Certified Quality

During the production process, CELATOM FW-60 diatomaceous earth is regularly monitored in order to ensure consistently high product quality.

CELATOM® is a registered trademark of EP Minerals® A U.S Silica Company.



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or visit www.eaton.com/filtration**

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03-2022

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