

## Filter Aid CELATOM® FP-3

### Diatomaceous Earth, Medium Fine

CELATOM FP-3 diatomaceous earth is a medium fine, active filtration diatomaceous earth with excellent clarification effect and high throughput for the filtration of beer, wine, fruit juices, oil, starch, sugar, gelatin, and other liquids.

The specific advantages of CELATOM FP-3 diatomaceous earth:

- Excellent clarification rate by selected particle size distribution
- Optimum solid matter removal capacity
- Quick build-up of a stable and reliable filter cake
- Economic filtration properties thanks to an optimum relation of throughput and retention rate
- Maximum purity, safe to use in accordance with German and EEC regulations and US-FDA (Food and Drug Administration) requirements concerning the production of beverages

### Technical Properties

Type	Unit	Celatom FP-3	in comparison BECOGUR 1200
Article No:		38003020	37120020
Permeability	Darcy	0,14 - 0,28	0,17 - 0,36
Wet density	g/ltr	< 420	< 420
Dry solid content	%	> 99	> 99
Ash content	%	> 99,5	> 99,5
Fe, EBC Method	ppm	< 80	< 100
Ca, EBC Method	ppm	< 500	< 500
Al, EBC Method	ppm	< 180	< 160
As, EBC Method	ppm	< 10	< 8

### Application

CELATOM FP-3 diatomaceous earth is used for diatomaceous earth filtration in the following types of filters:

- 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
- Pre-coat cartridge filters

### 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 FP-3 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 FP-3 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 adsorption substance, CELATOM FP-3 diatomaceous earth can adsorb moisture and odors. Therefore, it should always be stored in an intact bag in a dry, well ventilated place that is free from foreign odors.

Check odor in aqueous suspension before use.

### Delivery Information

CELATOM FP-3 diatomaceous earth is sold under article no. 38.003 and is supplied in the following package size:

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

### Certified Quality

CELATOM FP-3 diatomaceous earth is monitored constantly in the laboratory to ensure consistently high product quality.

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

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