

## Filter Aid CELATOM® FP-1

### Diatomaceous Earth, Fine

CELATOM FP-1 diatomaceous earth is a fine diatomaceous earth providing particularly high efficiency for the fine filtration of beer, wine, must, oil, fats, gelatin, pectin, sugar, vinegar, alcohol, and other liquids.

The specific advantages of CELATOM FP-1 diatomaceous earth:

- High clarification sharpness through special particle size distribution
- Reliable filtration through rapid formation of an adherent filter cake
- 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 FP-1	in comparison BECOGUR 200
Article No:		38000020	37020020
Permeability	Darcy	0,06 - 0,11	0,06 - 0,11
Wet density	g/ltr	< 420	< 420
Dry solid content	%	> 99	> 99
Ash content	%	> 99,5	> 99,5
Fe, EBC Method	ppm	< 80	< 80
Ca, EBC Method	ppm	< 500	< 750
Al, EBC Method	ppm	< 180	< 160
As, EBC Method	ppm	< 10	< 8

### Application

CELATOM FP-1 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
- Cartridge filters with vertical filter cartridges

### 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 fine, powdery CELATOM FP-1 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-1 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 FP-1 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 odor in aqueous suspension before use.

### Delivery Information

CELATOM FP-1 diatomaceous earth is sold under article no. 38.000 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 FP-1 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.

**North America**  
44 Apple Street  
Tinton Falls, NJ 07724  
Toll Free: 800 656-3344  
(North America only)  
Tel: +1 732 212-4700

**Greater China**  
No. 7, Lane 280,  
Linhong Road  
Changning District, 200335  
Shanghai, P.R. China  
Tel: +86 21 5200-0099

**Europe/Africa/Middle East**  
Auf der Heide 2  
53947 Nettersheim, Germany  
Tel: +49 2486 809-0

Friedensstraße 41  
68804 Altlufheim, Germany  
Tel: +49 6205 2094-0

An den Nahewiesen 24  
55450 Langenlonsheim, Germany  
Tel: +49 6704 204-0

**Asia-Pacific**  
100G Pasir Panjang Road  
#07-08 Interlocal Centre  
Singapore 118523  
Tel: +65 6825-1668

**For more information, please  
email us at [filtration@eaton.com](mailto:filtration@eaton.com)  
or visit [www.eaton.com/filtration](http://www.eaton.com/filtration)**

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