

Perlite Filtration Aid BECOLITE™ 3000



BECOLITE 3000 from Eaton's Begerow Product Line is a medium fine filtration perlite for the fining of liquids with a high opacity level such as beer, wine, fruit juices, priming solutions, oil, starch, gelatin, etc.

The specific advantages of BECOLITE 3000 perlite:

- Particularly cost-effective due to long filter operating life and high flow capacity
- Formation of a fissure-free, homogenous filter cake guarantees reliable filtration
- Virtually free from non-filtering particles
- Highest possible purity, safe in accordance with German and EU directives

Application

BECOLITE 3000 perlite is used as follows:

- In tank filter presses for drainage and improving permeability of sludge
- In sheet- and boiler filters for powder filtration in combination with other filtration aids and additives (BECOGUR™ diatomaceous earth, BECOCEL™ filter cellulose, BECOFLOC® filter flakes)
- For base coating in diatomite filtration

Pre-Coating

BECOLITE 3000 perlite: 10 – 20 lb/100 ft² (0.5 – 1.0 kg/m²); minimum 10 min circulating or until filtrate runs clear

Flow speed with

sheet filters	7 – 12 gpm/ft ² (3 – 5 hl/m ² /h)
sieve and cartridge filters	12 – 24 gpm/ft ² (5 – 10 hl/m ² /h)

Continuous Dosing

BECOLITE 3000 perlite suspension should be dosed evenly throughout filtration in accordance with the opacity of liquid to be filtered. A continuous and economical differential pressure increase between filter in- and outlet and achievement of required clarity indicate that dosing is carried out correctly.

Optimization of Pre-Coat Filtration

Improved filtration performance can often be achieved by combining with other filtration aids, e.g.

BECOGUR™ diatomaceous earth

BECOCEL™ filter celluloses

BECOFLOC® filter flakes for pre-coat filtration.

To optimize pre-coat filtration with BECOLITE 3000 we recommend the use of the filtration additive BECOFLOC filter flakes for pre-coating and continuous dosing. This saves on BECOLITE 3000 perlite consumption and improves the clarity sharpness.

Product Characteristics

BECOLITE 3000 perlite is produced from perlite (vulcanized glass) via a process of sudden heating and distension. The perlite particles are standardized to a precisely defined size via a process of grinding and sifting. BECOLITE 3000 perlite is virtually free from non-filtering particles such as fine dust, grit and floaters (= closed pored, floating particles).

Safety

When used and handled correctly there are no known unfavorable effects associated with BECOLITE 3000 perlite.

The inhalation of the dust can be harmful. For this reason avoid creating dust. If necessary, use extractor ventilation or dust masks.

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 BECOLITE 3000 perlite can take up moisture and odors. For this reason store only in unopened package in a dry, well ventilated place free from external odors.



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Delivery Information

BECOLITE 3000 perlite is sold under article no. 35.300 and is supplied in the following package size:

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

HS Customs Tariff: 3802 9000

Certified Quality

BECOLITE 3000 perlite is continually monitored in the laboratory to ensure consistently high product quality levels.

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For more information, please e-mail us at filtration@eaton.com or visit us online at eaton.com/filtration for a complete list of Eaton's filtration products.

Not all products in Eaton's Begerow Product Line are available in all regions. Please contact your local Eaton office to determine availability.

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