

Filter Aid – Perlite

Product Range BECOLITE®

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BECOLITE® is an extremely pure expanded perlite for precoat filtration. Based on long years of research and practical experience, carefully controlled BECOLITE® grades have been developed for different filtration applications.

The specific advantages of BECOLITE®:

- ▶ Extremely economic thanks to long filter lifetimes and high flow rates
- ▶ Controlled particle structure and size for individual filtration applications
- ▶ Build-up of a crack-free, homogeneous filter cake guarantees reliable filtration
- ▶ Highly efficient filtration thanks to large wet volume
- ▶ Largely free from non-filterable components

Application

BECOLITE® is used for precoat filtration in the following types of filters:

- ▶ Precoat sheet filters with washable support sheets
- ▶ Precoat filters (tank filters) with horizontal or vertical screen elements
- ▶ Precoat candle filters
- ▶ Rotary vacuum filters for the removal of large quantities of solid matter
- ▶ Chamber filter presses

Suitable BECOLITE® grades are available for different filtration applications:

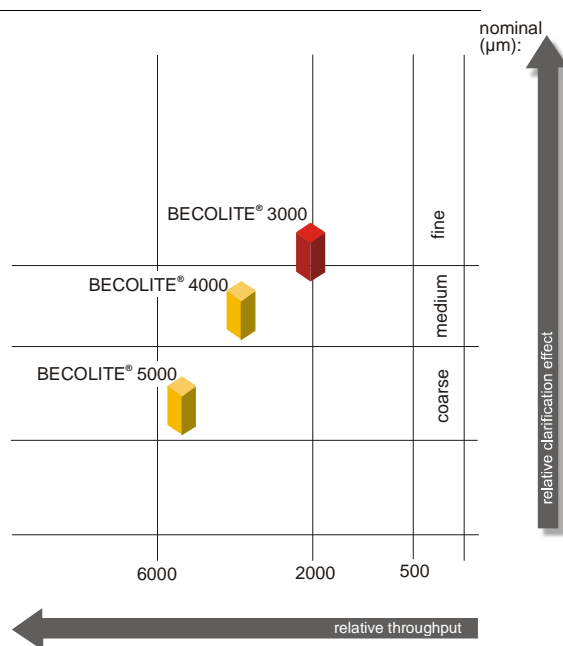
BECOLITE® 3000

Fine filtration perlite for clarifying very turbid liquids such as beer, wine, fruit juices, sugar solutions, oil, starch, gelatine, adhesive, waxes, petroleum products, solvents, pharmaceuticals, plastics, electroplating baths etc.

BECOLITE® 4000

Medium-fine filtration perlite for high throughputs and good clarification of liquids heavily loaded with turbidities such as fruit juices, wort, yeast and desliming sludge, waste water. Ideal for primary precoat of rotary vacuum filters.

Grade Selection Table BECOLITE®



BECOLITE® 5000

Coarse filtration perlite for maximum throughputs and clarification of very turbid liquids and for dehydration of sludges - for instance for fruit juices, wort, new wine, alginates, antibiotics, enzymes, resins, syrup and very viscous liquids. Ideal for use in rotary vacuum filters. Depending on the respective filtration application, it may be advantageous to mix different BECOLITE® grades. Improved filtration performance can also be achieved by combining BECOLITE® with other filter aids, e.g.

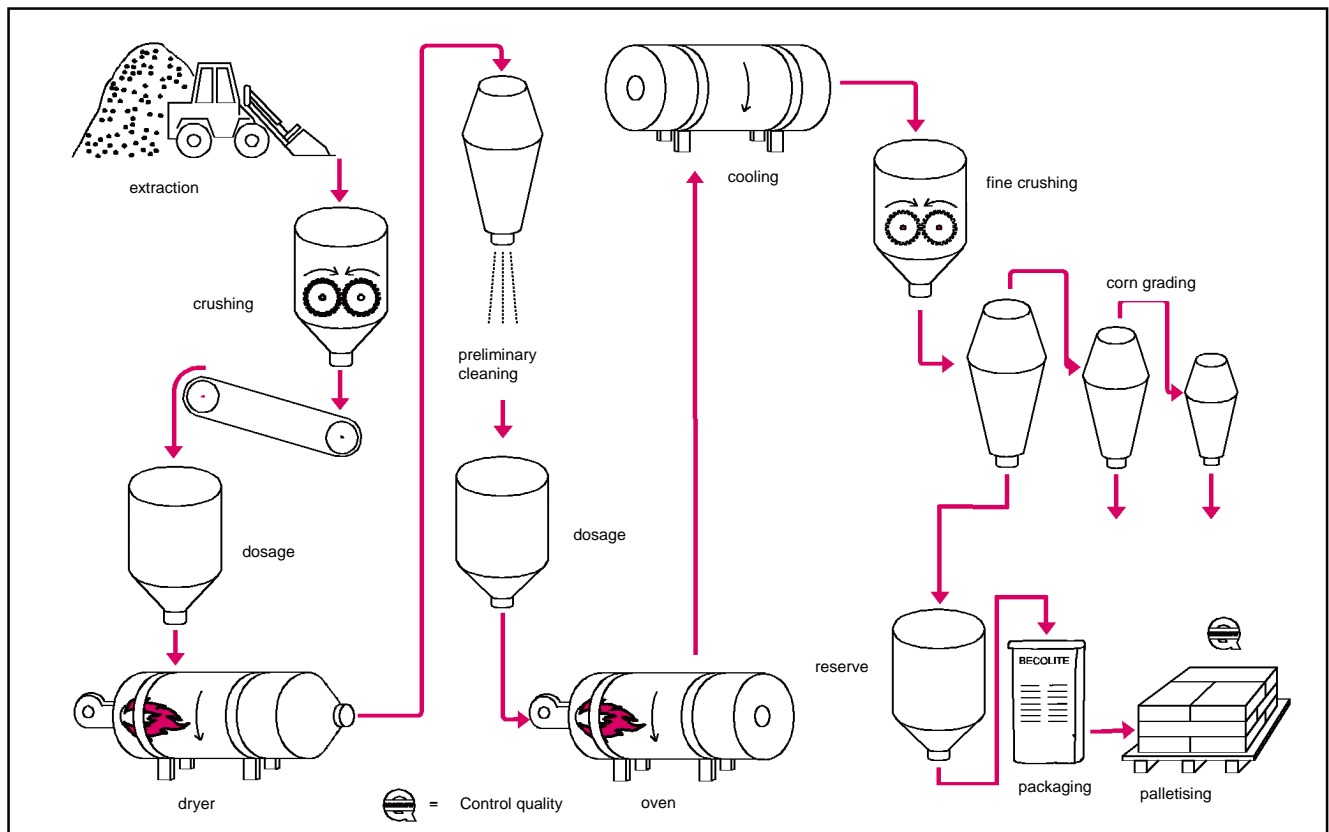
- BECOGUR® (kieselguhr)
- BECOCEL® (cellulose)
- BECOFLOC® (filter additive for precoat filtration)

Detailed technical information is available for every product and all applications. Please ask for these leaflets - and make use of the individual BECO consulting service.

Product Characteristics

BECOLITE® is produced from perlite (glassy volcanic rock) by very rapid heating to approx. 1000 °C (1832 °F), whereby the water of crystallization evaporates and the volume of softened mineral is increased by a factor of 15 to 20. The optimum particle size for a respective application is then adjusted by a milling and grading process. BECOLITE® is largely free of non-filterable components such as fine dust, grit and floaters (floating, non-porous particles).

Product Characteristics



Safety

When used properly no negative effects are known. Inhalation of dust may be harmful. Therefore avoid dust formation - if necessary use an extractor or wear a breathing mask.

Storage

As an active adsorption substance BECOLITE® can adsorb moisture and odours. Therefore it should always be stored in an intact bag in a dry, well ventilated place that is free from foreign odours.

Package Sizes

BECOLITE® is packed in non-polluting, practical paper bags.

BECOLITE® 3000, article no.:
35.300.020, 20 kg (44.1 lb)

BECOLITE® 4000, article no.:
35.400.015, 15 kg (33 lb)

BECOLITE® 5000, article no.:
35.501.016, 16 kg (35.2 lb)
35.500.020, 20 kg (44.1 lb)

Certified Quality

BECOLITE® is monitored constantly in the laboratory to ensure consistently high product quality. These inspections cover technical function criteria as well as chemical purity and approval in accordance with the law governing the production and sale of beverages.



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