Whenever a suspension consists of small and compressive impurities, those impurities may form a layer on the filter elements, which could block the elements in no time. On the other hand, small impurities could pass the filter, remain in the already filtered suspension and cause haze either in the filtrate or in the finished product. When using VOIGT-Filteraids the filter unit just serves to carry the precoat and the filter cake. A thin layer of filter aids (normally approx. 200-800 g/m²) will be primary coated (precoated) with clean water or filtrated liquid on the filter units. This precoat protects the filter units against contamination and allows a simple and close cleaning of the filter. By precoating the filter, the suspension will be clear as soon as the filtration had been started. Nevertheless, a high efficient and cost-effective filtration can only be achieved, if filter aid will be added continuously. Depending on quality and quantity of the contaminations we recommend to use as a second feeding the same quantity as impurities are to be removed.

Diatomaceous Earth. Highest purity and chemical inertness at a constant quality of the Diatomaceous Earth guarantee, that the product to be filtrated neither is influenced in its chemical composition nor in its taste or smell.

standard range (graded from fine to coarse)
Filter-Cel, Celite 577, Standard Super-Cel, Celite 512, Hyflo Super-Cel, Celite 503, Celite 535, Celite 545, Celite 560

CELITE - Diatomaceous Earth

Diatomaceous Earth is the most common filter aid. Celite Diatomaceous Earth is produced out of high-grade Diatomaceous Earth resources. The selection of the most suitable Diatomaceous Earth product is always a compromise between clarity - even with regard to colloids with a particle size of <0.1 µm - and best possible performance on the other hand, are the demands, that have to be fulfilled by the choice of suitable

standard range (graded from fine to coarse)
Filter-Cel, Celite 577, Standard Super-Cel, Celite 512, Hyflo Super-Cel, Celite 503, Celite 535, Celite 545, Celite 560

HARBORLITE - Perlite

The Harborlite-Perlite is manufactured from thermal expansion of volcanic stone. Chemically it is a matter of aluminum silicate, that approximately is so inert as silica. In comparison with the filigrane skeletal Diatomaceous Earth, the spherical fragments structure of Perlite does not have the same porosity. Thus, from the Harborlite-Perlite can not be expected the same clarity as from the Diatomaceous Earth by the same throughput. However the high grade perlite-qualities are a reasonable addition to the Diatomaceous Earth sales program.

standard range (graded from fine to coarse)
Harborlite 300, 400, 500, 635, 800, 900, 900 S

JELUCEL - Cellulose

High-purity, white, odourless cellulose that particularly is used for intense basic applications in the range of chemistry / electroplating instead of Diatomaceous Earth or for the general creation of coating on pre-coated filters in the range of the beverage and food industry. The precoat clings closely to the filter unit and avoids the penetration of Diatomaceous Earth or perlite-filter aids at pressure fluctuations.

standard range (graded from fine to coarse)
Jelucel HM 30, 90, 150, 200, 300, 1000, 2000

Applications

- Water treatment
- Chemical / pharmaceutical industry
- Plating / surface engineering
- Beverage and food industry
- Printed circuit boards industry
- Dye-stuff and lacquer industry