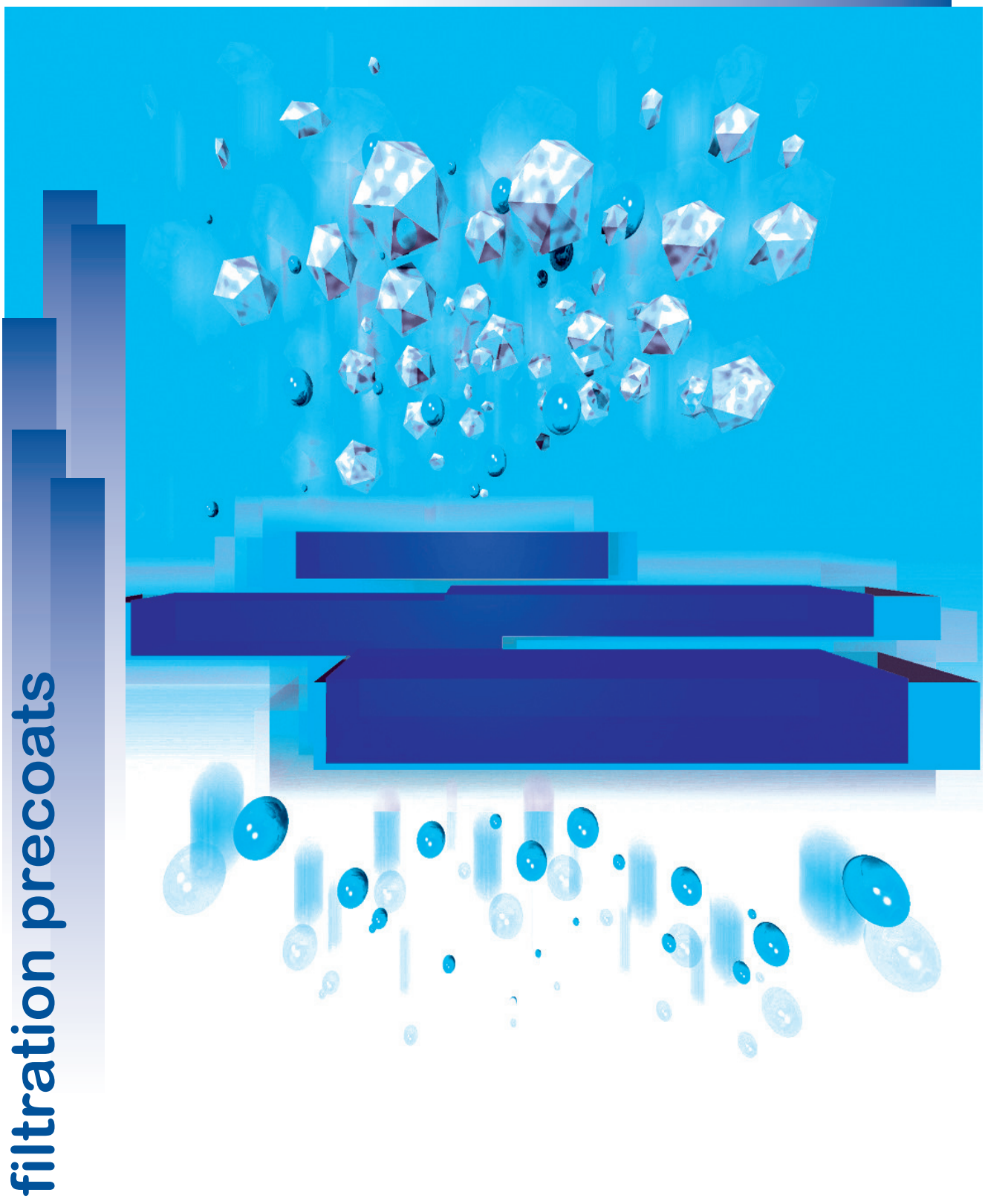
FIBROXCEL®

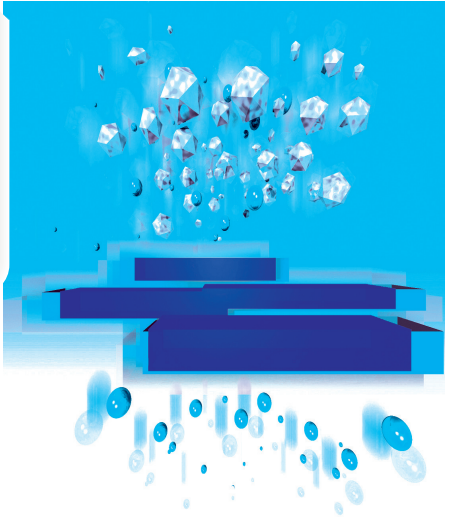


filtration precoats

AEB group

filtration precoats

FIBROXCEL®



precoats for continuous dosing and vacuum filtrations

FIBROXCEL® products are chemically inert complex filter aids, which are used in the filtration of wine and alimentary liquids. They are used in the formation of precoats and/or coats and for the continuous dosing filtration for the filtration of wine, beer and products difficult to filter such as musts, lees, sugar syrups, etc.

FIBROXCEL® 10 is normally used as first precoat in brightening filtrations, in variable doses between 500-700 g/m²; for the second precoat the same diatomaceous earth is used as in SPINDACEL®, which is used in the continuous dosing filtration.

FIBROXCEL® VAC is used together with perlite and diatomaceous earth in vacuum filters for the formation of precoats for the filtration of liquids difficult to be filtered.

FIBROXCEL® products are composed by cotton fibers lending an elastic and resistant structure, cellulose fibers with different electrostatic charge giving a high adsorbent power and perlites that provide its in-depth adsorbing action. The production system, which is based on the creation of a perfectly uniform mixture of components through the use of special mixers equipped with rotating blades in a cyclone of air, ensures the incorporation of the perlites amongst the cotton and cellulose fibres. This new structure lends to the precoats and to the subsequent coats a constant honeycomb structure.

HIGH ADSORBENT POWER

The high adsorbent power, which is the highest in FIBROXCEL® 30, enables to retain even very small particles such as yeasts, bacteria, coloring substances, proteins, ferric and ferrous ferrocyanide, etc. The retainement of these particles having a dimension lower than the diameter of the canaliculi of the precoat, enables a high filtration quality.

ELASTICITY AND RESISTANCE TO PRESSURE BLOWS

The great elasticity and the perfect adherence to filter elements of FIBROXCEL® enables to interrupt filtration operations in filters with horizontal sieves, leaving intact the coat, without creating preferential ways to the passage of suspended particles.

WETTABILITY AND UNIFORMITY

The immediate wettability reduces the time needed for making up the precoat, prevents separation of the fibers from the filter aids and makes it possible to obtain a perfectly uniform precoat or coat of unvarying thickness on the filter element, in which the components are distributed at an identical ratio over the entire filter surface.

INSTANT AND TOTAL COAT DETACHMENT

At the end of the filtration, the coat is easily and fully detached, also in filters equipped with automatic dry cake removal by centrifuging or vibrating systems.

UNCRACKED PRECOATS AND MICROMETRIC CUT

FIBROXCEL® VAC enables to obtain homogeneous coats, mechanicaly very resistant, which do not crack, preventing the formation of preferential ways for the liquid to be filtered; furthermore the cut is easy and micrometric. The total filtration capacity is always higher and the brightness of the filtered liquid is improved.

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CHARACTERISTICS	FIBROXCEL 10	FIBROXCEL 30	FIBROXCEL VAC
Permeability (L/m²/min)	115-125	50-55	140-155
Adsorbing effect	middle	very high	very high
Sieving effect	good	high	good
Depth effect	high	high	very high
Fiber content	medium	high	very high
Utilization	For coarse and midlle filtrations	For brightening filtrations	For vacuum filters and for big lees filters
Dose of application	500-1000 g/m² for building the precoat; 50-500 g/hL in the continuous dosing filtration	800-1000 g/m² for building the precoat; 20-50 g/hL in the continuous dosing filtration	10% of perlite and diatomaceous earth used
Utilization	Grape musts, wines, beer, beer musts, lees, vinegars, sugar syrups, distillates, biological and pharmaceutical	Wines, vinegars, beer, distillates, biological and pharmaceutical industry	Musts, juices, sugar syrups and alimentary liquids difficult to filter

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