

## ENORANDALL™

The **ENORANDALL** range (selected diatomaceous earth) has been set up to cover all porosity needs. It enables to achieve, from coarse to fine types, high filtration capacity, high brightness and very good filterability index (ready for micro-filtration).

- **Enorandall Flux** *very coarse, high viscosity liquids*
- **Enorandall 1/Extra** *coarse, viscous liquids*
- **Enorandall 1** *coarse, low viscosity liquids*
- **Enorandall 3 - 3/Extra** *fine filtration*

**Dal Cin diatomaceous earth are all classified "not dangerous"**

## ENOPERLITE™

Dal Cin selected some perlites of great quality and different porosity grade to fulfil every technical requirements. **ENOPERLITE** Line is made of products with very low metal content and a surprising filtering power. The range covers all the porosity, from very coarse to very fine grade.

- **Enoperlite Flux** *vacuum rotary filters, body feed filters - very coarse*
- **Enoperlite 1/Extra** *vacuum rotary filters, body feed filters - coarse*
- **Enoperlite 3/Extra** *vacuum rotary filters, body feed filters - slightly fine*
- **Enoperlite 7/Extra** *body feed filters - fine*

## PAPERBOARDS

Special filter sheets with strong mechanical resistance, made of very pure vegetal fibre with a great filtering power, mixed with carefully selected filter aids, without undesired metals.

- **ZP 10 - ZP 50** *coarse, for high viscosity liquids for common filtration*
- **ZP 70 - ZP 90** *fining and e pre-sterilizing*
- **ZP 110 - ZP 130** *sterilizing*

# Industrial Filtration



## ***"Predispersed" cellulose***

Special "predispersed" filters media for solid-liquid separation in precoat filtration. They are made of a very pure vegetable fiber, thanks to a particular technology set up in DAL CIN SPA laboratories, that is a complete re-elaboration of the intermolecular structure of the polyglucosidic chains which cellulose molecules are composed of.

FITOFLOC™ and FITOMIX™ are set up only through physical technique, separating every single fibers. So, these fibers come to a typical, extended "skeen-like" structure instead of the close "wire-rope-like" one. This modification makes the specific surface of cellulose itself wider, increasing therefore its capacity of retention.

Any kind of treatment with chemical products is avoided, so that the structural integrity of the fiber is assured; there is no risk of partial and dangerous "digestion" of fiber or break of the glucosidic chains.

The active adsorption surface is increased up to 15-25 m<sup>2</sup>/g; and the volume of the swelling material in water is 15-20 times increased in respect to non worked fiber.

Thanks to its fibrous structure, FITOFLOC™ and FITOMIX™ are particularly suitable in retention of very small particles.



*"Predispersed" cellulose fiber*

## **FITOFLOC™**

*"Predispersed" cellulose*

Long fiber cellulose in wet "*predispersed*" form.

- **FITOFLOC AG/20** *high porosity*
- **FITOFLOC AG/60** *medium porosity*
- **FITOFLOC AG/60C** *medium porosity, suited for cartridges filtration plants*
- **FITOFLOC DC** *low porosity*
- **FITOFLOC Super** *very low porosity*

## **FITOMIX™**

*"Predispersed" cellulose*

Long fiber cellulose in wet "*predispersed*" form mixed with mineral silica as to obtain a product which has a much higher retention power than pure mineral silica.

- **FITOMIX LARGO** *coarse filtration*
- **FITOMIX DC** *polishing filtration*
- **FITOMIX Super** *very fining filtration*

## **ALFATEX™**

Available as "dried" product, based on short fibre cellulose with diatomaceous earth or perlite. It's perfect to filter no-polar liquids (oil, hydrocarbon) where *predispersed* material is not admitted. High performance, it could be used even in ongoing dosage.

- **Alfatex Super-V** *vacuum rotary filters*
- **Alfatex 101 - 102 - 103** *coarse to tight filtration*
- **Alfatex 151** *coarse filtration*