

Compakcel

Pre-coat filtration agent

CHARACTERISTICS

Compakcel is a filter aid used to enhance pre-coat formation prior to filtration, improving its formation.

Key characteristics:

- Increases filtration effectiveness.
- Improves pre-coat stability during filtration and raises filtration weight yield.
- Moistens rapidly, reducing pre-coat formation time.
- Uniform pre-coat distribution over the entire filter surface.
- High absorption of moisture and suspension colloids as a result of its high specific surface area and special surface chemistry.
- Resistant to pressure shock, especially in vertical plate filters.
- Easy pre-coat separation after filtration, even in automatic filters.

APPLICATIONS

Applications for **Compakcel** include:

- Removal of moisture and solids from edible oils.
- Removal of moisture and solids from industrial oils.
- Filtration of juices and concentrates.
- Removal of fats from aqueous liquids.
- Coarse filtration of edible liquids in general.
- Filter aid for the pharmaceutical and chemical industries.

COMPOSICIÓN

Compakcel 100 y 300: flux-calcined diatomaceous earth and cellulose fibre.

Compakcel Oleo: perlite and cellulose fibre.

Compakcel Oleo Max: flux-calcined diatomaceous earth and cellulose fibre.

DOSAGE

Conditions	Pre-coat ¹	Dosing ²
Very difficult	2 Kg/m ²	0,8 – 1 g/l
Difficult	1,5 Kg/m ²	0,5 – 0,8 g/l
Normal	1,0 Kg/m ²	< 0,5 g/l

¹ Quantity of **Compakcel** per m² of filter surface.

² Quantity of **Compakcel** per litre of liquid passed through the filter.

The information in this data sheet represents our current knowledge. The company does not accept liability for improper use of the product outside the regulatory framework.

INSTRUCTIONS FOR USE

Pre-coat formation.

Add the required quantity of **Compakcel** (see Dosage to the filter mix tank and stir for 3–5 minutes to ensure the product is thoroughly dispersed. To form the pre-coat, recirculate the mixture through the filter to the mix tank for 20–25 minutes (40–45 minutes in the case of **Compakcel Oleo** at high speed. During pre-coat formation, maintain the system pressure at 1–1.5 kg/cm².

*Important: Create a pre-coat approximately 5 mm thick. Like most other filter aids, **Compakcel** can be used to create a pre-coat by alluviation.*

Filtration

With dosing pump filters, add the quantity of **Compakcel** required for filtering (see Dosage for use section) to the mix tank once the pre-coat is formed. During the pressing cycle, maintain the system pressure at 1–2 kg/cm², opening the pump by-pass as needed.

PHYSICAL APPEARANCE

Off-white/beige powder with a fibrous texture.

PACKAGING

Compakcel 100: 25-kg bags; 750-kg pallets.

Compakcel 300: 25-kg bags; 750-kg pallets.

Compakcel Oleo: 10-kg bags; 360-kg pallets.

Compakcel Oleo Max: 10-kg bags; 360-kg pallets.

PHYSICO-CHEMICAL PROPERTIES

Compakcel	100	300	Oleo	Oleo Max
Moisture [%]	< 5	< 5	< 5	< 5
Particle size [<150 micron][%]	> 90	> 90	> 90	55-65
Cake density [g/l]	350- 400	350- 400	180- 230	120- 170
Permeability [darcies]	0,7 – 1,0	0,1 – 1,4	2,0 – 4,0	2,0 – 6,0
Ash [%]	80 – 90	75 – 85	55 – 65	55 – 65

STORAGE

Store in the original packaging in a cool, dry, odour-free place.

Once open, use as soon as possible.

Preferential consumption: before 3 years from packaging.

RGSEAA: 31.00391/CR

This product complies with the International Oenological Codex and UE Regulation 2022/68.

COMPAKCEL 100
COMPAKCEL 300
COMPAKCEL OLEO
COMPAKCEL OLEO MAX
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