

Compakcel

Pre-coat filtration agent

CHARACTERISTICS

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

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: lux-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.

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) 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 – 6
Ash [%]	80 – 90	75 – 85	55 – 65	55 – 65
pH [10%]	7,0 – 8,5	6,0 – 7,5	6,0 – 7,5	6,0 – 8,5

STORAGE

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

Once open, use as soon as possible.

RGSEAA: 31.00391/CR

This product complies with the International Oenological Codex and EC Regulation No 606/2009.

COMPAKCEL 100 EP 162
COMPAKCEL 300 EP 163
COMPAKCEL OLEO EP 343
COMPAKCEL OLEO MAX EP 413
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