

Stabiquick Select

Hydrated silica gel

A less dusting hydrated silica gel, for the absorption of haze forming protein compounds, with selected filtration properties.

Benefits

The advantages of xerogel and hydrogel are combined and optimised in one product.

- High stabilisation effect
- Instantaneous reaction
- No adverse effect on foam and flavour
- Less dusting
- Specified for a sharp filtration without affecting filter throughput by an optimised particle size distribution.

Standard Application

Stabiquick Select is normally applied during beer filtration by dosing it with the kieselguhr slurry, where it instantaneously develops its full adsorption effect. It is completely eliminated in the kieselguhr filter.

It is absolutely necessary to use a freshly precoated filter and to dose **Stabiquick Select** during the whole filter-run even at different dosing rates. We recommend adding 50 grams of **Stabiquick Select** per m² filter area to the second precoat. Approximately 30 to 80 g/hl are required for the bodyfeed.

Besides the continuous in-line dosing at the kieselguhr filter, other methods of treatment are optional. **Stabiquick Select** can be used without difficulty in combination with proteolytic enzymes. PVPP antioxidants and tannic acid. Proteolytic enzymes and **Stabiquick Select** must not be mixed in one dosing vessel.

Typical Properties

Characteristics	Hydrated xerogel
Chemical formula	SiO ₂ x n H ₂ O
SiO ₂ -content in ignition residue	Min. 99%
Moisture	38 - 45%
Internal surface area	300 – 420 m ² /g
Pore volume	0.9 – 1.3 ml/g
Pore diameter	8-16 nm
pH value	6 - 8
Soluble ionisable salts (as Na ₂ SO ₄)	Max. 5%
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Beer soluble Ca	Max. 0.02%
Beer soluble Fe	Max. 0.002%
Beer soluble As	Max. 2 ppm
Beer soluble Pb	Max. 2 ppm
Heavy metals (as Pb)	Max. 30 ppm
Permeability mDarcy	Approx. 20 – 40

Storage

Ambient Temperature (+13°C to 24°C)
unopened, in a clean, dry location, out of direct sunlight and odour free.

Safety and Enzyme Handling

Inhalation of dust and mists should be avoided. In case of contact with the skin or eyes, promptly rinse with water for at least 15 minutes.

For detailed handling information, please refer to the Material Safety Data Sheet



Technical Services

Zymus International Limited welcomes the opportunity to work with customers offering technical services with the use of our products in application development and optimisation.

Zymus International Limited New Zealand Office

626 Rosebank Road, Avondale, Auckland 1026

Telephone: +64 9 820 0075

Facsimile: +64 9 820 0091

E-mail: info@zymus.net

Website: www.zymus.net

Australia Toll Free: 1800 009 627

 info@zymus.co.nz

 New Zealand: 09 820 0075
Australia: 1800 009 627

 www.zymus.net
www.zymus.com.au



ZYMUS International Ltd
626 Rosebank Rd, Avondale
Auckland 1026, New Zealand
PO Box 71-039, Rosebank 1348