

STOCKOSORB® 660

XL



**For Water & Soil Management Improvement –
in Agriculture, Horticulture, Silviculture, Landscaping & Land Reclamation**

General Information

STOCKOSORB® increases the plant available water holding capacity, aeration balance and structure of soils, substrates and potting mixes. Consequently, water and nutrients are available to the plant for a longer period of time, resulting in stronger and healthier plant growth also under hot and dry climatic conditions. As STOCKOSORB® stores water in the root zone, water deep percolation as well as fertilizer leaching can be prevented.

This allows for a reduction in irrigation frequency and thus irrigation costs. Furthermore, STOCKOSORB® increases soil porosity and enhances the water infiltration rate of soil to an extent that surface water run-off and soil erosion can be significantly reduced.

Water and nutrients for improved plant growth

Physical Properties	660 XL
Basis	Crosslinked polyacrylic acid homopolymer partially potassium neutralised
Appearance	Free flowing white granules
Particle Size Distribution [mm]	2.0 - 4.0
Bulk density [g/l]	450 + / - 90
Solubility	Insoluble in water and organic solutions; swell to gel upon contact with aqueous solutions
pH-value (1g/l H ₂ O)	7.4 - 8.5
Minimum Absorption – Under free swelling conditions	
1) Deionized water [ml/g]	> 250
2) Tap-Water (1.3 mmol/l CaCO ₃) [ml/g]	> 165
Minimum Absorption – In different soil types	
Loess soil [g/g]	> 115
Sandy soil [g/g]	> 105
Toxicology / Ecology	non toxic for plants, soil organisms and ground water according to OECD - Test
Residual Monomers (mg/kg) Acrylic acid	< 600

Packaging

STOCKOSORB® 660 is available in the following packaging:

Container	Weight
Paper bags	20 kg paper bag
with two layers of polyethylene liners	1.000 kg pallet (50x20 kg)

Storage Stability

STOCKOSORB® 660 can be stored in closed packaging under dry conditions and ambient room temperatures.

Please contact us for any further information.

Legal References This information is based on our careful investigations and experiences but represents non-binding consultation and does not relieve you of the obligation to investigate our results and procedures for their applicability to your own use. This applies with regard to safeguarding the patent rights of third parties. We reserve the right to modify the information given here on the basis of further technical development of the product. Status: January, 2015

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