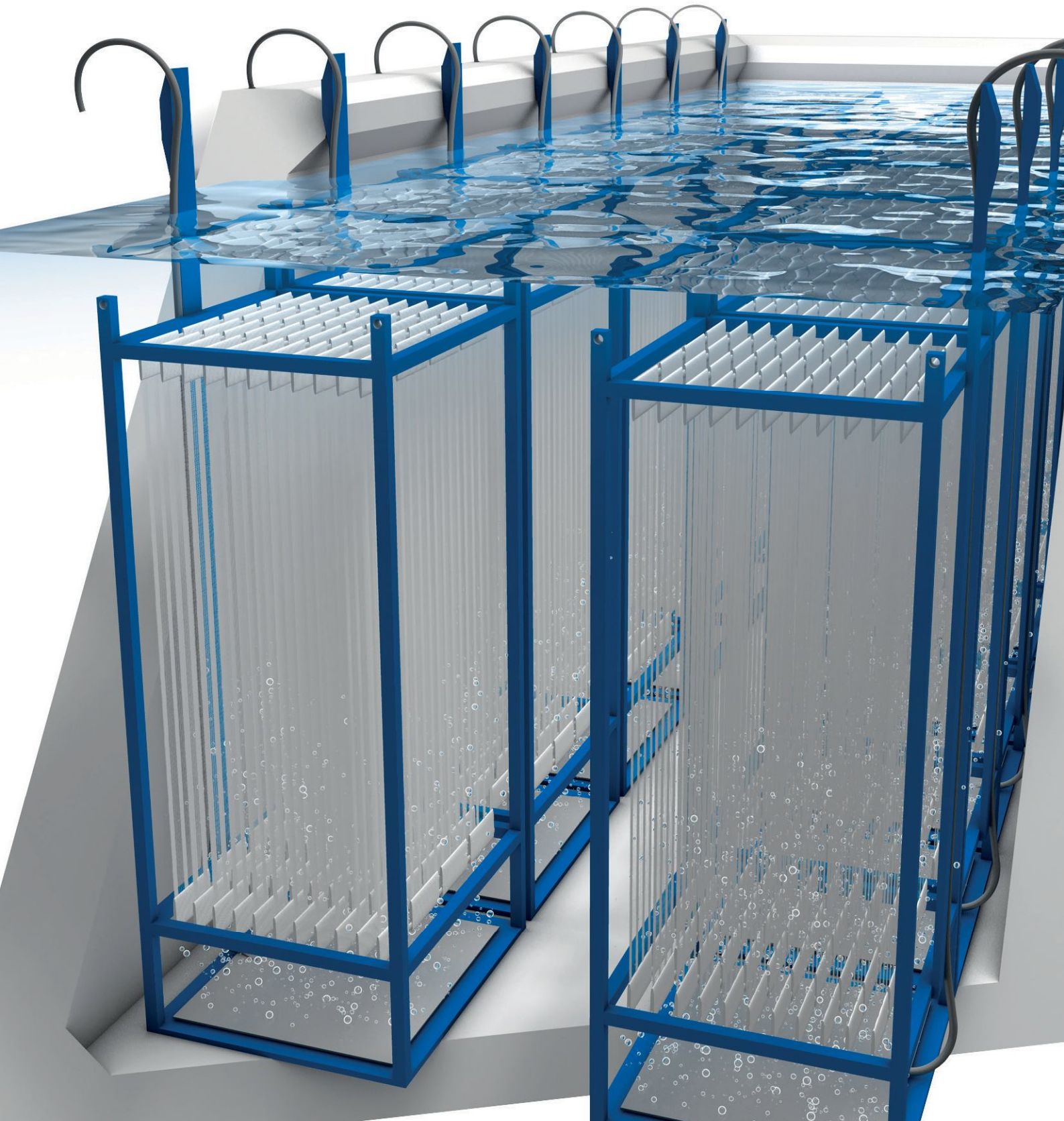
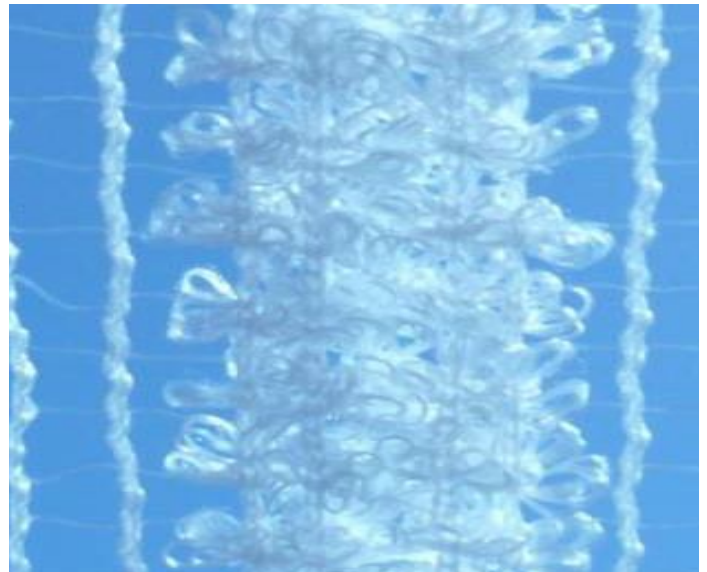


# Cleartec® Biotextil (2-dimensional)





<b>Material</b>	100% Polypropylene yarn
<b>Length</b>	customized
<b>Width</b>	0,96 m (comprises 16 growth stripes)
<b>Weight</b>	ca. 200 g/m <sup>2</sup>
<b>Textile</b>	knitwear
<b>Loop format</b>	flat woven fabric
<b>Number of loops for fixing in the loop construction</b>	2,00 - 2,40 m: 2 loops 2,50 - 3,90 m: 3 loops More than 4,00 m: 4 loops
<b>Specific surface</b>	23m <sup>2</sup> /m <sup>2</sup> surface of Biotextil
<b>Displacement</b>	max. 2,5*10 <sup>-4</sup> m <sup>3</sup> /running meter installation (Straps and steel cage are not included)
<b>Application</b>	Biological Stage of WWTP, municipal, industrial, special applications
<b>Nitrification</b>	≤ 0,1 mg/L
<b>Sludge characteristics</b>	SSVI ≤ 80-100 ml/g
<b>Capacity increase</b>	more than 50% due to additional Biomass (no expansion necessary)



Cleartec® Biotextil is used as a completely submerged fixed bed in the biological stage of a wastewater treatment plant. Textile structure provides growth surface for the active microorganisms without flow restrictions.

By using fine bubble aeration for supplying oxygen to the microorganisms a vertical flow be obtained. The thickness of biofilm will be regulated by the velocity of the airstream by removing the old microorganism and forms a new active biofilm surfaces. The basis for the installation of Cleartec® Biotextil is the discharge of domestic water or compared to that at temperatures in the range of +5°C to +36°C (+41°F to + 97°F).

The discharge of industrial waste water has been separately regulated. This also applies to other installations and fields of applications.



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#### Disclaimer

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Condition of Sale.