
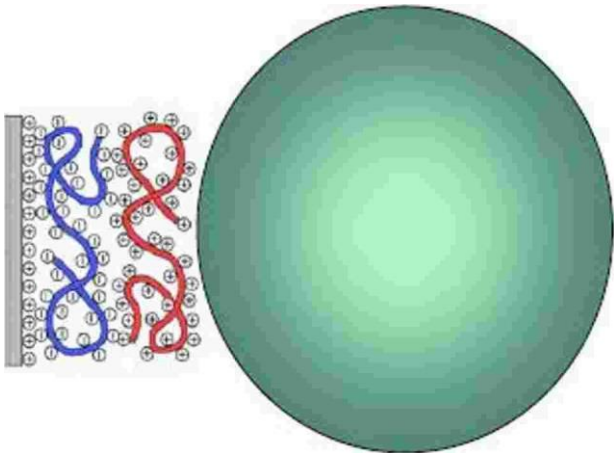



Form No HR088 v.3 Nov-20  	<b>UNCONTROLLED IF PRINTED</b>		<b>TECHNICAL DATA /SPEC SHEET</b>	
	CREATION DATE	12/08/2019	<b>Nanofloc/CC Floc 77</b>	<b>TDS235W</b>
	VERSION NO.	1		
	REVIEWED BY	T McLaughlin		
	DATE	20/07/2020		
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## Nanofloc/CC Floc 77

<b>High Performance Flocculation</b>	<ul style="list-style-type: none"> <li>Flocculation of organic and inorganic materials</li> <li>Effective binding of micro flocs</li> <li>Matchless acceleration of coagulation and sedimentation</li> <li>Decrease of phosphor, COD and Sulfur</li> </ul>
<b>Stable Line Operation</b>	<ul style="list-style-type: none"> <li>Low sludge volume index</li> <li>High settling velocity</li> <li>No sludge release at hydraulic overload</li> <li>Combat against Scum</li> <li>Support of phosphor precipitation and COD reduction</li> </ul>
<b>Sludge thickening and dewatering</b>	<ul style="list-style-type: none"> <li>Higher TSS content after thickening</li> <li>Better dewatering behaviour</li> </ul>

CC Floc 77 is a highly nanostructured metal vitamin complex with a high cationic charge density. The nanostructure of the product ensures a minimal amount of product application. The product is free of polyacrylamides.

 <p><b>Enhancement of the effective surface</b></p>	<p>The powerful flocculation aid with its nanostructure enables the quickest possible initiation of flocculation because the nanoparticles immediately adhere to the floc surfaces and enlarge the floc size.</p> <p>The contained cationic charge carriers destabilise the colloidal form of particles because they neutralize the surface charge. Now the particles can interact and floc together sludge properties are immediately and visibly improved.</p> <p>The contained vitamins improve metabolism of the microorganisms in the sludge and stabilize carbon and nitrogen elimination.</p>
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<p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>• Precipitation in the primary sedimentation</li> <li>• Improvement of sludge volume index and exclusion of floc release in the final clarification</li> <li>• Sludge conditioning before thickening and dewatering</li> <li>• Sulfur bonding</li> <li>• Sludge retention in the digester</li> <li>• Prevention of digester foaming</li> <li>• Degradation of lipophilic materials</li> </ul>	<p><b>Handling:</b></p> <p>CC Floc 77 is highly effective at a slightly higher starting dose of approximately 25g/m<sup>3</sup>. Once the desired sludge index is reached, the operation dose can be reduced to approximately 10g/m<sup>3</sup>, respectively the optimal dosage can be adjusted.</p> <p><b>Stability of the flocculation agent:</b></p> <p>CC Floc 77 is stable for 12 months without losing its activity. Slight clouding does not affect the efficiency of the product. Diluted solutions should be used with one week.</p>
<p><b>Properties:</b></p> <p>CC Floc 77 is a highly viscous, greenish, clear liquid. It is mixable with water in all ratios. The freezing point is -20°C. It is also usable in a broad pH range without losing its efficiency.</p>	<p><b>Delivery:</b></p> <p>One way container (IBC) 1,200kg</p> <p>Full bulk tanker load</p>

**Effect of one drop of CC Floc 77 after one minute**

