ZetaPol 8840-AC

Powder flocculant
The new chemical formula

ZetaPol 8840-AC is a blended product based on natural minerals. It is a powdered, semi-granular formulation, which is added directly into the waste water. The components of the formulation dissolve and react in sequence. ZetaPol 8840-AC work by ion exchange, coagulation, flocculation and precipitation.

ZetaPol 8840-AC offers many advantages over traditional polymeric flocculants. Significantly improves the dewatering of the sludge and prevents bonding of the filter press or filter media. Higher solid content in the mud cake is possible compared to standard polymeric flocculants. The special composition of this product results in a very shear stable flocculation that rapidly separates from waste water streams.

Usually encapsulates the contaminats to prevent them leaching back out of the sludge at the landfill site. This reduces the hazardous classification of the sludge anf hence substantially reduces disposal costs. The operator receives an easy to use product. This product is due to its high concentration very efficient.

Technical Properties	
Bulk Density (g/ cm^3) at 20°C	0,9
pH-value (10 g / l H$_2$O)	ca. 7,0
Application temperature (°C)	20 – 50
Water solubility (%)	< 5
Operation concentration kg/m^3	0,3 – 4,0
Recommended dose kg/m^3	**0,5 – 2,0**

Applications			
Galvanic Companies	++	Lacquer Factories	++
Printed Circuit Boards	++	Mining Companies	++
Sewage Plants	+	Textile Industry	++
Waste Diposal	++	Chemical Industry	++

++ very recommended	+ recommended	o possible	– not recommended

General Indications
The product is used as delivered.
Reaction time is appr. 10-20 minutes
The product should not be diluted with water.
The pH will not be changed by addition of ZetaPol 8840-AC.
Recommended pH-value : 7,0 - 10,0
Removes suspended and colloidal solids from treated waste water.
Removes turbidity.
Special benefits: stable flocculation – big flocs – clear water – rapid sedimentation
Storage condition : Humidity has to be avoided, minimum temperature not below 0°C

ISO 9001 / ISO 14001