

ZetaPol 1133

Powder flocculant
The new chemical formula



Färber & Schmid
Chemie · Technik

ZetaPol 1133 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 1133 work by ion exchange, coagulation, flocculation and precipitation. Perfect if high contamination of oil, fat, surfactants and cleaners are in the waste water. Also perfect for splitting emulsions and paint-dispersions.

ZetaPol 1133 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 contaminants to prevent them leaching back out of the sludge at the landfill site. This reduces the hazardous classification of the sludge and 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	Not applicable
Application temperature (°C)	20 – 50
Water solubility (%)	< 5
Operation concentration kg/m ³	0,1 – 2,0
Recommended dose kg/m³	0,5 – 0,7

Applications

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

++ very recommended

+ recommended

o possible

– not recommended

General Indications

The product is used as delivered.

Reaction time is appr. 15 minutes.

The product must not be diluted with water.

The pH is reduced by the addition of ZetaPol 1133.

The application range is at pH 3.0 to 13.0; optimally at pH 7.0 to 9.0

Removes suspended and colloidal solids from treated waste water.

Removes turbidity.

Special benefits: stable flocculation – good flocs – clear water – rapid sedimentation – high splitting properties

Humidity has to be avoided. Do not store below 0 °C. Opened containers use up as quickly as possible.



ISO 9001 / ISO 14001