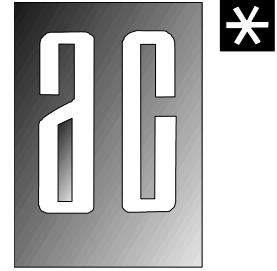


# Aachener Chemische Werke

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## TECHNICAL INFORMATION

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### ACENOL FGS

ACENOL FGS is a liquid flocculant for the complete removing of glass particles from the grinding solution while processing glass.

It is used on commercially available as well as suitable self constructed flocculation systems.

ACENOL FGS was specially adapted to AC- coolant concentrates in order to guarantee that the coolant solutions are not affected adversely by the flocculant. Before using ACENOL FGS with other coolant concentrates our application laboratory should be contacted.

#### Specification

pH (conc.):	4 - 7	pH – test strips
Refractive index:	1,332 - 1,345	DIN 51423 (20 °C)

#### Application

ACENOL FGS is added under stirring directly into the flocculation tank filled with contaminated grinding solution. After another 2 minutes of stirring the flakes have formed and can be removed after having settled down at the bottom (e.g. by means of a scraper or by a draining valve). Excess water can be removed from the flocculate by using a suitable filter (e.g. by vacuum band filter or chamber filter press). The clean coolant solution is then fed back into the circuit.

In order to achieve a good flocculation result the amount of glass particles in the coolant solution should exceed 1g/l. Furthermore, ACENOL FGS can be used on special equipment (e.g. Henry Filter) where ACENOL FGS is injected automatically into the coolant solution (contaminated with glass particles) on the way from the grinding machine to the settling unit.

#### Recommended use concentrations:

If the amount of glass particles in the contaminated grinding solution is between 0,8 – 2 g/l we recommend to use 300 - 500 ml ACENOL FGS per m<sup>3</sup>.

If ACENOL FGS is injected directly into the pipe system where normally the amount of glass particles is very low (< 0,6 g/l) we recommend to use between 50 – 200 ml per m<sup>3</sup>. To prevent an overdosing we recommend to start with a low quantity of flocculant and to increase it until the desired elimination rate is reached.

#### Handling

ACENOL FGS does not need to be labelled in accordance with EC directives or respective national laws. For more safety information please see the Material Safety Data Sheet.

#### Storage

ACENOL FGS has to be stored in well-closed containers at temperatures between 10 to 25 °C.