

**Papermill**  
**Stora Enso Magazine Paper - Kabel**  
**Hagen Mill, Germany**

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**Project aim**

Recovery of coating colour

**Type of installation**

1 x ALGAS Microfilter 125 HPW - special construction

**Background**

Since 1990 pigments from the excess coating have been sent to the wastewater treatment plant. The settled pigments were then mixed with primary sludge and thickened for dilution.

**Solution**

Today the excess coating from the papermachine coating station is being treated by an ALGAS Microfilter to remove the grit and paper fines. After this the filtered flow is passed to a two-step flocculation plant followed by a sedimentation unit. The recovered pigments are being returned to the coating kitchen and the clear water is returned for pulper dilution in the stock preparation plant.

**Savings**

Pigments:	4.000 tonnes/year
Effluent:	600.000 m <sup>3</sup> /year

**Process data**

Inlet to ALGAS:	150 m <sup>3</sup> /hour
TSS inlet:	4000 - 12000 mg/l

