

**SEPAR
CHEMIE**



We clarify it for you.

Innovative chemicals
for the paper industry.



Specialty chemicals for paper production

Germany is Europe's largest paper producer. A world without paper in its various forms and applications is unthinkable. High demands on the quality of the various types of paper, be it in the printing and press industry, the packaging industry, the tissue industry, etc. necessitate a continually flexible adaptation of the process- and waste-water chemicals to the changing requirements.

Since 1991 **SEPAR CHEMIE** has been developing specialty chemicals for the paper industry under the brand name **POLY SEPAR®**.



A new generation of water based retention agents

Our water based dispersants of the **POLY SEPAR®** KW- and AW- range are especially innovative.

The oil-free dispersants are solvent and tensid free and are therefore particularly environment friendly.

Further Advantages of the POLY SEPAR® KW / AW series are:

■ **Mixing is easy without cumbersome solvent and dosage technology**

■ **Less foam problems**

■ **Reduced water consumption**

■ **Improved filler retention**

■ **Highest effectiveness in closed water circuits with high conductivity**

The POLY SEPAR® KW / AW series consists of:

■ **POLY SEPAR® KW 10, KW 10 C, KW 10 H - weakly cationic**

■ **POLY SEPAR® KW 45, KW 45 C, KW 45 H - medium cationic**

■ **POLY SEPAR® AW 30 - medium cationic**



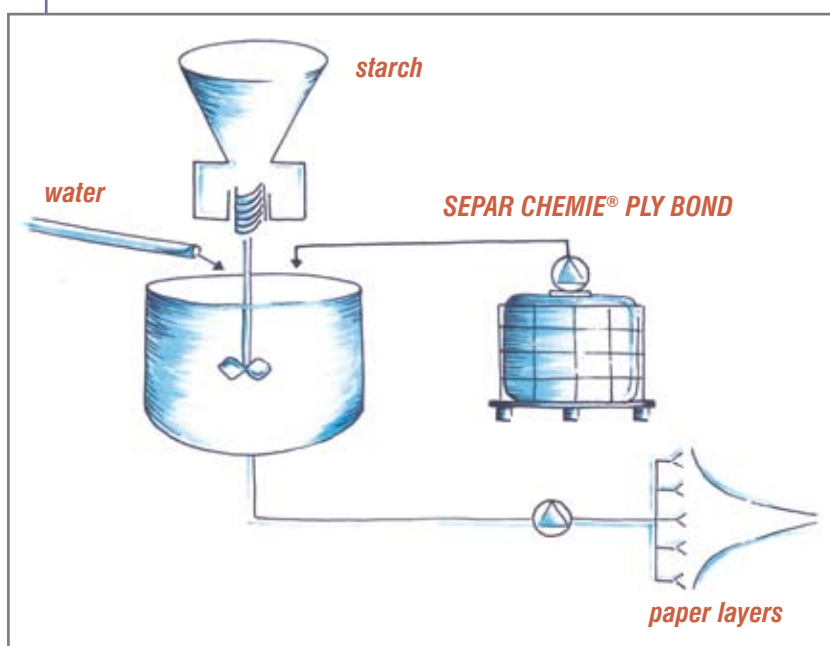
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OIL-FREE



Starch reduction through **POLY SEPAR® PLY BOND**

A further original product is our **POLY SEPAR® PLY BOND**. It is a synthetic, anionic acryl-amide-copolymer, which is completely soluble in water. It is used in the production of multilayer papers and cardboards, which are bonded with starch. **POLY SEPAR® PLY BOND** is added to the water-starch solution and is sprayed onto the paper layers.



The Advantages of

POLY SEPAR® PLY BOND are:

- *Increases the adhesion between the paper sheets*
- *Partially replaces the starch at a ratio of 1/10*
- *Considerable cost savings*
- *Applicable in a wide pH-range*
- *Reduces the COD burden through reduced starch consumption*

High molecular flocculation aids for waste paper processing

We offer with our **POLY SEPAR® K 5-range** extremely high molecular flocculation aids for highest efficiency in flotation plants. All products in this range are produced in „paper grade“ quality with fast and residue-free solubility. They are subject to the stringent criteria of the XXXVI recommendations of the BfR, in order to be used for tissue papers and food packaging. Renowned producers in the tissue paper industry have trusted **POLY SEPAR®** products for decades.





An overview of our products

FRESH WATER PREPARATION

We use our **flocculation aids** to treat raw water for the paper production and to free it from spurious impurities.

WASTE-WATER TREATMENT

POLY SEPAR[®] flocculation aids guarantee high-quality **waste-water treatment and sludge dewatering** with a high dry content.

Our **bacterio-static agent** **POLY SEPAR**[®] KS 300 reduces and inhibits odour causing bacteria.

PAPER PRODUCTION

The **water-based retention agents** from our **POLY SEPAR**[®] KW-/AW-range are solvent and tenside free.

To **reduce starch** in cardboard and paperboard production we recommend **POLY SEPAR**[®] PLY BOND.

POLY SEPAR[®] Bent is used to **speed up the dewatering process**. It improves the adsorption of contraries and therefore retention.

To avoid **crystalline deposits** in the paper machine, especially with suction rolls, filters and wires, **POLY SEPAR**[®] Inhibitor P is suitable.

- **Increase in machine running time**
- **Reduction of machine shut down for cleaning**
- **No negative influence on paper quality**

To improve **dry strength** we offer the **POLY SEPAR**[®] RàS System.

- **CMT increase**
- **Improvement of the Burst Index**
- **Improved retention**
- **Longer machine running time**
- **Starch reduction**

