



AkzoNobel



**Competitive, innovative and flexible.
Summarizing a complete range
of inspiring sizing agents.**

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We know how crucial sizing chemicals are to great papermaking. So it's a real pleasure to present our complete range of sizing agents for all paper grades and machines.

The general benefits are immediate: cutting costs, simplifying application and improving runnability.

Take a step up in quality. Contact your local Eka office. Addresses at www.eka.com.

Surface sizing – for excellent printability.

Surface size protects the base paper from excessive wetting, enhances surface strength and reduces linting and dusting, which in turn improves paper printability. Eka Chemicals advanced surface sizing products help you enhance quality without increasing costs.

- Eka SP Series – Anionic, cationic and amphoteric size press products.

Internal sizing – for increased sizing control.

Eka Chemicals offers rosin emulsions as well as synthetic sizing agents to suit all internal sizing needs in paper and board production:

- Eka SA Series – Alkenyl succinic anhydride (ASA).
- Eka DR Series – Alkyl Ketene Dimer (AKD) dispersions.
- Eka CR Series – Cationic rosin dispersions.

Eka SP Series – size press products

Our surface sizing products cover the full range of anionic, cationic and amphoteric dispersions of styrene acrylic ester copolymers, from 25% to 34% solids. These are the preferred products for the surface treatment of fine paper, testliner and board made from virgin and waste-based fibers. Eka SP has the potential to reduce or eliminate internal sizing, which of course cuts costs, increases machine cleanliness and enhances printability.

Eka SP 50.

An amphoteric styrene acrylic ester at 25% solids for fine paper and packaging grades, Eka SP 50 delivers superior sizing efficiency compared to conventional SAE. It is compatible with most anionic and cationic additives. With the right balance of anionic and cationic charges, a better self retention is achieved.

Eka SP AE / Eka SP CE products.

Surfactant-free, anionic and cationic aqueous dispersions of styrene acrylic ester co-polymers. Used alone or combined with starch as a surface agent for paper and board. Works extremely well with waste-based fiber, which is difficult to size internally.

Eka SA Series – Alkenyl Succinic Anhydride (ASA)

These products are suitable for fine paper and packaging grades (liner, gypsum board, sack paper) over a wide pH range from acid to alkaline. ASA is a 100% active product and is generally emulsified on-site in cationic starch or a synthetic polymer. The main benefit is cost-efficient sizing. Application is instant and easy thanks to the latest on-site technology, which is simple, robust and flexible, with equipment that requires minimal space.

Eka SA 200 Series.

Our standard ASA emulsified in starch, widely used in a broad range of applications such as fine paper and packaging grades.

Eka SA 400 Series.

A range of unique ASA products that are emulsified in very simple and reliable on-site units using liquid starch or even plain water as the only dispersing agent.

Eka SA 600 Series.

The latest Eka SA 600 Series represents an even more advanced technology utilizing organically modified nanoparticles for easier application.

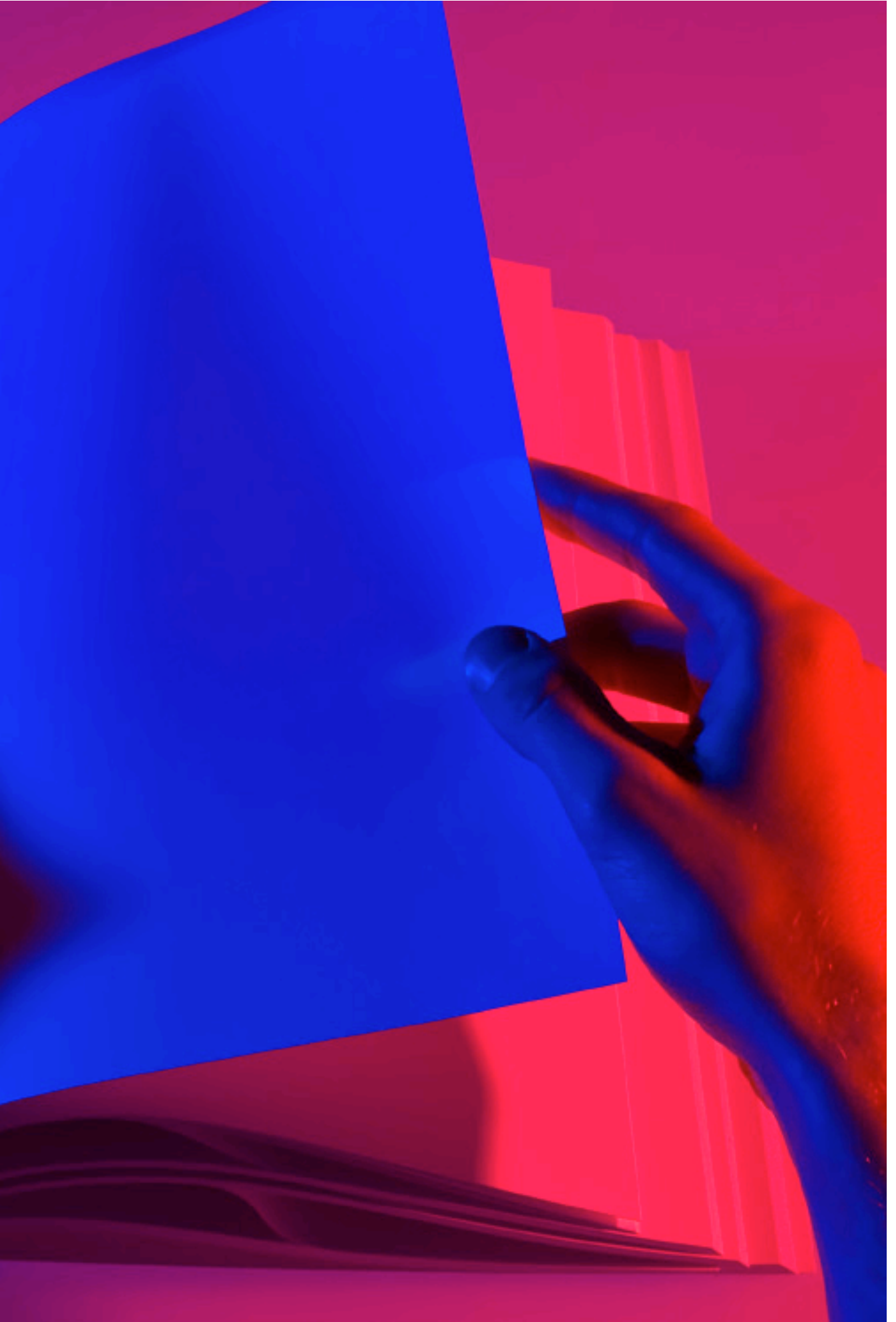
Eka DR Series – AKD Alkyl Ketene Dimer (AKD)

Starch- or polymer-stabilized dispersions for neutral and alkaline sizing of all kinds of paper and board. The main features are hard sizing and lactic acid resistance. The active component – alkyl ketene dimer – is made from renewable raw materials. Besides standard AKD, we also offer dispersions made from high melting point AKD wax for liquid packaging board and high-temperature wet-end applications. Our dispersions are available at 7–25% solids. The formulation can be adapted to the required wet-end conditions and also modified or promoted to enhance the curing rate of the sizing development. AKD on-site emulsification is available.

Eka CR Series – Cationic Rosin dispersions

Used for internal sizing from acid to slightly alkaline wet-end conditions. These formulations are known for their outstanding performance, especially under demanding conditions, e.g. at elevated wet-end temperatures. Eka CR products are available as pre-activated or highly concentrated dispersions (from 25% up to 52%) requiring an additional aluminum component, or as one-shot products containing the sufficient amount of aluminum salt.

Main features are H₂O₂ resistance for liquid packaging grades and no sizing loss. Used primarily for packaging grades.



Eka Chemicals, with around 2,570 employees in 28 countries, is a business unit within AkzoNobel. Eka Chemicals is a leading supplier of bleaching chemicals, paper chemicals and systems to the pulp and paper industry throughout the world, and supplies special chemicals to the pharmaceuticals industry, water treatment, the electronics industry etc.

Eka® is a registered trademark of Eka Chemicals in most countries globally.

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