



## HIGHLY EFFECTIVE SURFACE STRENGTH IMPROVERS

### Cartabond® Glyoxal and Zirconium based crosslinkers

- / Crosslink a wide variety of natural and synthetic binders
- / Drastically reduce dusting, picking & linting
- / Paper surface structure more resistant – even in the presence of water
- / Highly effective new technology offers improved cost performance



# CARTABOND® GLYOXAL AND ZIRCONIUM BASED CROSSLINKERS

**Cartabond®** crosslinkers are highly effective surface strength improvers.

**Cartabond®** crosslinkers will crosslink with a wide variety of natural and synthetic binders to improve the surface structure of the sheet to reduce dusting, picking and linting at the paper surface because the amount of weakly bonded particles and fibers have been reduced. This characteristic is of particular value in

the production of offset printing, coated publication and silicone release paper grades and for use of higher levels of bio-latex to replace synthetic binder.

**Cartabond®** crosslinkers are highly reactive. They quickly crosslink binders as soon as water is evaporated from the paper surface in the drying section of the paper machine and are compatible in

most coating and size press formulations. Crosslinkers offer improved wet surface strength by decreasing the water solubility and/or aqueous swelling of binders and fibers close to the paper surface. They create additional links between the binder polymer molecules, the cellulosic fibers and the filler or surface pigment particles.

## General Product Overview

<b>Cartabond® TSI-NG, EPI and GH</b>	Glyoxal based
<b>Cartabond® KZI, KZL, LSZ, MZI and EZI</b>	Zirconium based
Miscibility	miscible with water in all proportions
Stability	1 year in closed packaging
FDA and BfR Compliance	Yes*

\*all but TSI and with limitations

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