



SURFACE & CROSSLINKER SOLUTIONS / Product Overview



SURFACE & BARRIER SOLUTIONS

PRODUCT	Description	Recommended Dosage	Solids	Food Contact	PACKAGING		FOLDING BOX BOARD		LWC	
					Size press	Coating	Size press	Coating	Size press	Coating
CROSSLINKERS										
Cartabond® EPI	Surface strength improver for starch based systems	3%	40%	BfR/FDA/ GB9685-2016	●		●		●	
Cartabond® NY	Surface strength improver for starch based systems	3%	44%	BfR/FDA/ GB9685-2016	●		●		●	
Cartabond® TSI-NG	Borax free surface strength improver for starch based systems	3%	42%	BfR/FDA	●		●		●	
Cartabond® TSI	Surface strength improver for starch based systems	3%	42%	BfR/FDA/ GB9685-2016	●		●		●	
Cartabond® CSI	Efficient surface strength improver for starch based systems	3%	35%	BfR/FDA/ GB9685-2016	●		●		●	
Cartabond® FCI	Surface strength improver for starch based systems with better food contact compliance	3%	42%	BfR/FDA/ GB9685-2016	●		●		●	
Cartabond® EZI	Highly reactive cross linker for latex based coating mixes	3%	15%	BfR/FDA/ GB9685-2016		●		●		●
Cartabond® KZI	Odourless cross linker for latex based coatings	3%	46%	BfR/FDA/ GB9685-2016		●		●		●
Cartabond® KZL	New generation of odourless cross linker for latex based coatings	3%	40%	BfR/FDA/ GB9685-2016		●		●		●
Cartabond® LSZ	Low smelling, high reactivity cross linker for latex based coating mixes	3%	28%	BfR/FDA/ GB9685-2016		●		●		●
Cartabond® KZO	New generation of odourless cross linker for latex based coatings	3%	40%	BfR/FDA/ GB9685-2016		●		●		●
Cartabond® MZI	Low smelling cross linker for latex based coating mixes	3%	31%	BfR/FDA/ GB9685-2016		●		●		●
SURFACE SIZING AGENTS										
Cartacol® NPN	Anionic surface sizing for abrasive papers and improved toner adhesion	0.25-2.5%	14%	BfR/FDA/ GB9685-2016	●		●		●	
Cartacol® SA	Anionic surface sizing for multipurpose papers	0.25-2.5%	25%		●		●		●	
Cartacol® SAK	Anionic surface sizing for multipurpose papers, Asia only	0.25-2.5%	25%		●		●		●	
Cartacol® SCN	Cationic surface sizing for multipurpose papers, Asia only	0.25-2.5%	30%		●		●		●	
GLOSS IMPROVER										
Cartacoat® GP	Improves gloss and print quality	1-3 parts	50%	BfR/FDA/ GB9685-2016		●		●		●
Cartacoat® HGC	Gloss improver	1-3 parts	50%			●		●		●
WETTING AGENT										
Cartacoat® SF 8	Reduces the surface tension of liquids & improves the adhesion of surface sizing agents	0.25%	50%	FDA		●		●		
Cartacoat® SF 8 EU	Reduces the surface tension of liquids & improves the adhesion of surface sizing agents	0.25%	50%	BfR/FDA/ GB9685-2016		●		●		
RHEOLOGY MODIFIERS										
Cartacoat® RM 11 mod	Medium high shear viscosity modifier	0.25%	35%	BfR/FDA		●		●		●
Cartacoat® RM 15 liq new	Low high shear viscosity modifier	0.20%	30%	BfR/FDA		●		●		●

Crosslinker

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. 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.

Rheology Modifiers

Cartacoat[®] **RM** range are designed to improve coating runnability and properties by lowering the water penetration rate into the base paper.

Cartacoat[®] **RM** range is a replacement of conventional synthetic rheology modifiers. It offers lower blade pressure, possible coater speed increase as well as an opportunity to increase solids which have a positive effect on optical and print properties along with improved coating speed. The **Cartacoat**[®] **RM** range is FDA and BfR compliant.

Gloss Improver

Cartacoat[®] **HGC** provides gloss improvement of lightweight coated paper by replacing parts of the coating mix such as kaolin. It can be applied directly into the coating mix. In certain circumstances calendaring of the paper can be removed from the process while maintaining the gloss level.

Surface Sizing Agents

Cartacol[®] range are anionic surface sizing agents based on styrene acrylics. They are designed to improve the sizing and printability properties of multipurpose papers. Typical properties that are improved are toner adhesion, feathering and bleeding.

Cartacol[®] can be added at the size/film press or in the coating colour.

Wetting agents

Cartacoat[®] reduces the surface tension of water to allow it to spread more easily onto a surface. It can improve the adhesion of the surface sizing agent to the paper by enhancing the wetting of the substrate.

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