

BASF Paper Coating Offerings for Food Contact Board Grades

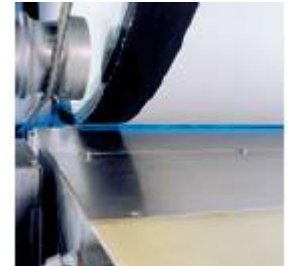
 **BASF**

We create chemistry

BASF Paper Coating Chemicals

Our broad range of products covers a great number of applications in the coating of **board**, graphic papers and specialty papers:

- Our Acronal[®] grades are dispersions based on copolymers consisting of acrylic ester and styrene while the **Styronal[®] brand grades** are based on styrene-butadiene copolymers.
- With the **Basonal[®] binder** concept, we are further able to supply tailor-made products.
- Cobinders, thickeners and insolubilizers complement the competitive offer to the market.



Our Styronal® Series

The Styronal® portfolio

Styronal® grades are aqueous dispersions of copolymers of styrene-butadiene with a solids content of approximately 50 %.

Our Styronal® products are designed to achieve excellent performance characteristics in regards to binding power, printability and runnability.

★ Styronal® ES grades:

Within our comprehensive Styronal® portfolio, ES grades are **specially optimized for low VOC and low odor**, thus a good choice for standard food contact board applications



Our Basonal® Series – Tailor-Made for Your Individual Needs

The Basonal® portfolio

Basonal® grades are tailor-made aqueous dispersions for specific target applications and / or customer needs leveraging our in-depth technology toolbox and deep understanding of our individual customers' needs.

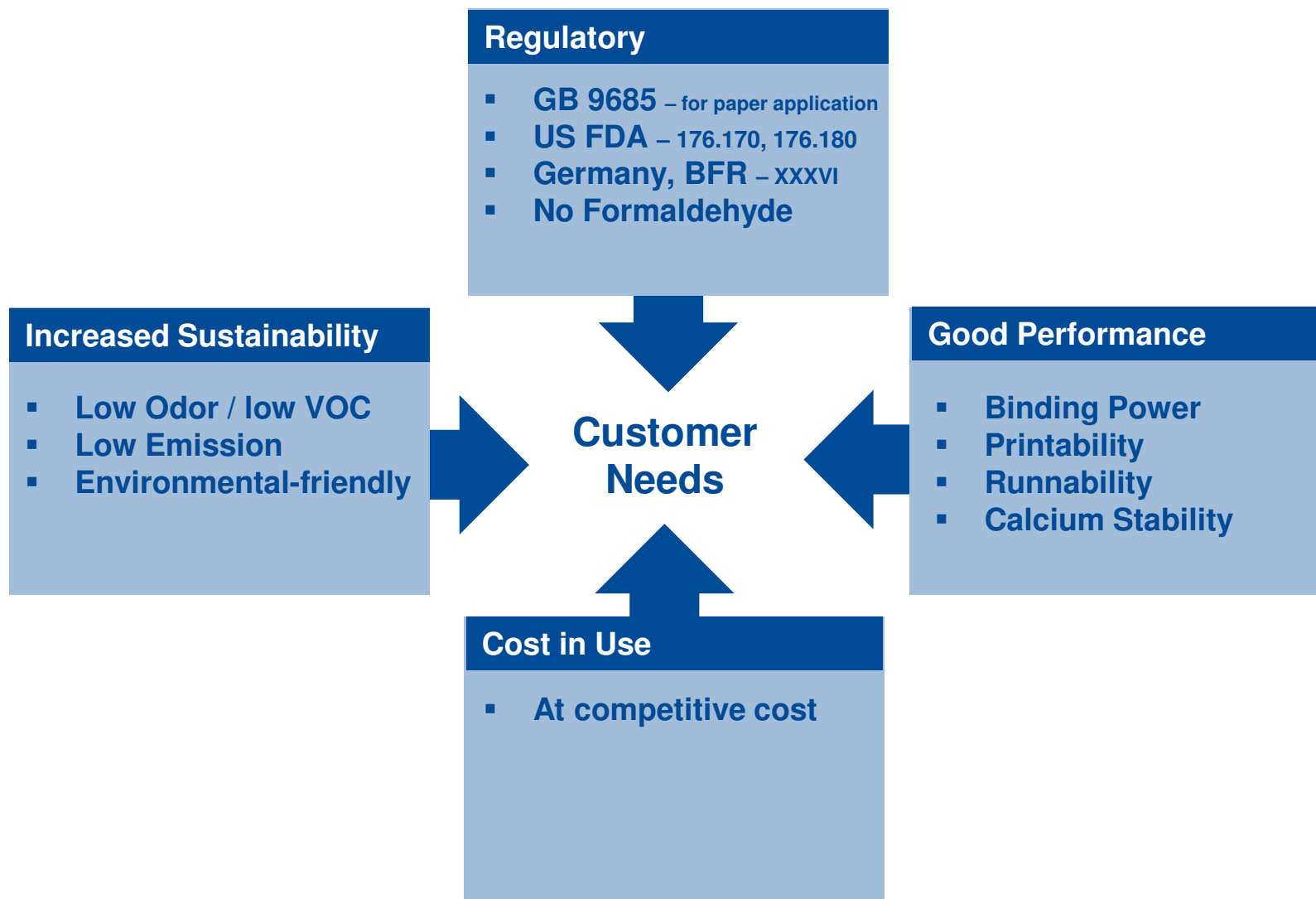
★ **Basonal® Food Contact Board grades, short: Basonal® FCB:**

Our latest Basonal® generation is called Basonal® FCB and is tailor-made for the specific high-performance requirements in various food contact materials.



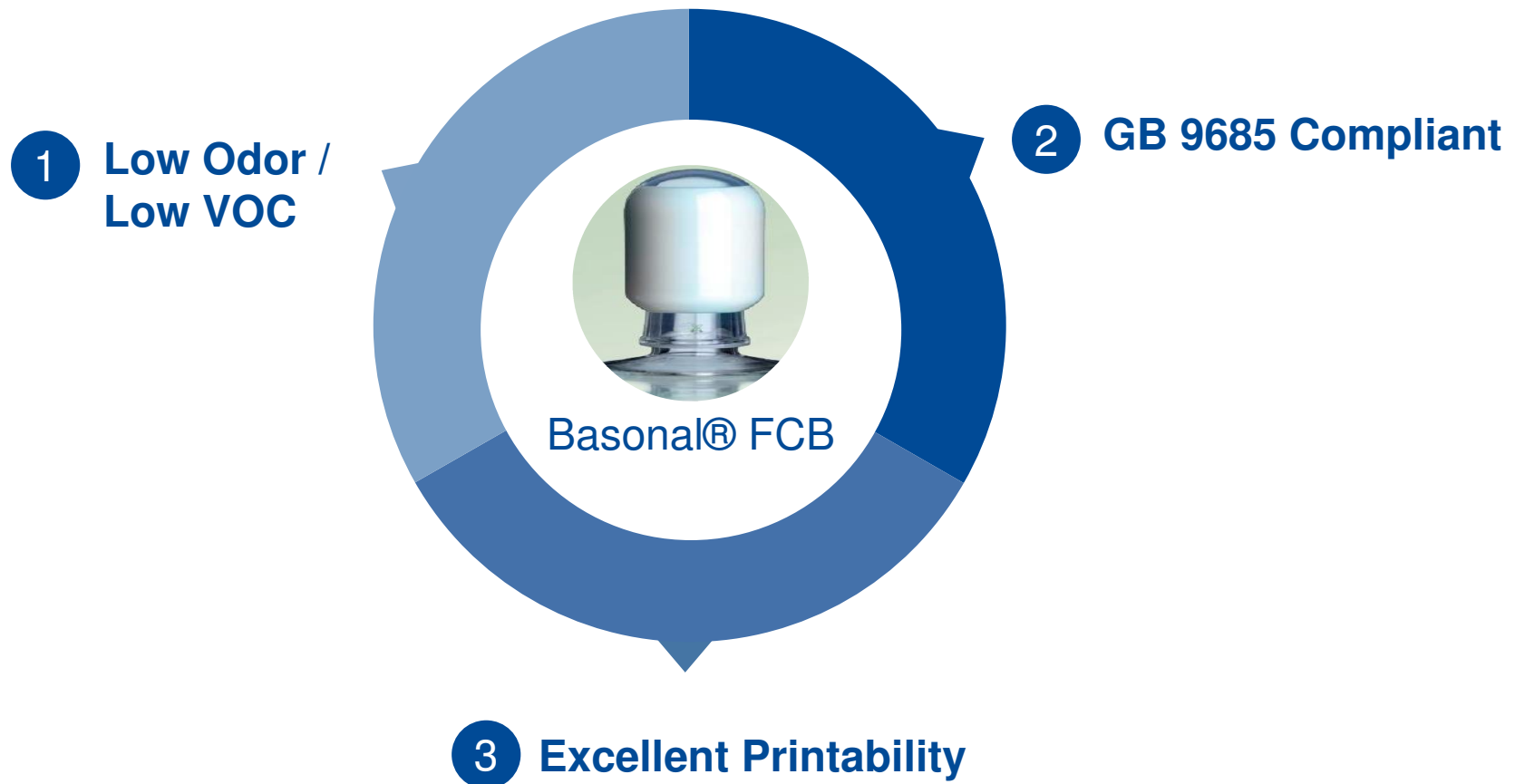
Photo by Shutterstock

Unmet Need: Low odor/low VOC binder for food contact board fully compliant with latest regulations with no compromises on cost / performance



BASF's Response: Basonal® FCB – Tailor-Made 3-in-1 Solution for Food Contact Board

Basonal® FCB – Our 3-in-1 Solution for Food Contact Board



Our Acronal® Series – For Ultimate Printability and Liquid Packaging Board



The Acronal® portfolio

Acronal® grades are aqueous dispersions based on copolymers consisting of acrylic ester and styrene with a solids content of approximately 50 %.

Advantages of these dispersions are excellent print evenness in offset and rotogravure and a very low level of thermo- and UV-yellowing and odor.

Our Acronal® products enable performance characteristics like binding power, good printability for all common printing processes and excellent runnability even at high machine speed.

★ Acronal® S 728 ap for LPB:

Our GB 9685 compliant market-leading acrylic dispersion for Liquid Packaging Board application – successfully proven across the globe for more than one decade



Photo by Shutterstock

Portfolio Overview

Our Styronal® ES grades – Standard Products with optimized VOC and low odor

Product name	Film properties (1)	Odor	GB 9685 (2)	FDA reg. 21 CFR (2)		BfR XXXVI (2)	Remarks
				176.170	176.180		
Styronal® ES 7900	soft	low	yes	yes	yes	yes	<ul style="list-style-type: none"> High binding power latex, esp. suitable for precoat applications
Styronal® ES 7902	medium	low	yes	yes	yes	yes	<ul style="list-style-type: none"> Standard overall performance latex, suitable for both precoat and topcoat applications
Styronal® ES 7936	medium-hard	low	yes	yes	yes	yes	<ul style="list-style-type: none"> Best suitable for topcoat applications with high requirements in terms of printability and convertability

(1) Film properties: <= 0 °C: soft; 0 – 10 °C: medium; 10 - 20 °C: medium-hard ; > 20 °C: hard ;

(2) In any case regarding food contact status, the above does not replace the detailed information in the Food Contact Compliancy statement. For more detailed information on specific country requirements and conditions of use, please refer to the relevant Food Contact Compliancy statement. Please contact your account representative to get the full statement.

Our Tailor-Made Basonal® FCB Grades for high-performance Food Contact Board



Product name	Film properties ⁽¹⁾	Odor	GB 9685 ⁽²⁾	FDA reg. 21 CFR ⁽²⁾ 176.170 176.180		BfR XXXVI ⁽²⁾	Remarks
Basonal® FCB 7961	soft	very low	yes	yes	yes	yes	<ul style="list-style-type: none"> Tailor-Made, low VOC / very low odor latex grades with outstanding printability
Basonal® FCB 7962	medium		yes	yes	yes	yes	
Basonal® FCB 7963	medium		yes	yes	yes	yes	

(1) Film properties: <= 0 °C: soft; 0 – 10 °C: medium; 10 - 20 °C: medium-hard ; > 20 °C: hard ;

(2) In any case regarding food contact status, the above does not replace the detailed information in the Food Contact Compliancy statement. For more detailed information on specific country requirements and conditions of use, please refer to the relevant Food Contact Compliancy statement. Please contact your account representative to get the full statement.

Acronal® S 728 ap – Our Market-Leading Acrylic Dispersion for Liquid Packaging Board



Product name	Film properties ⁽¹⁾	Odor	GB 9685 ⁽²⁾	FDA reg. 21 CFR ⁽²⁾		BfR XXXVI ⁽²⁾	Remarks
Acronal® S 728 ap	hard	very low	yes	yes	yes	Yes	<ul style="list-style-type: none"> ▪ Ideal Latex for Liquid Packaging Board thanks to its excellent printability and convertability properties

(1) Film properties: <= 0 °C: soft; 0 – 10 °C: medium; 10 - 20 °C: medium-hard ; > 20 °C: hard ;

(2) In any case regarding food contact status, the above does not replace the detailed information in the Food Contact Compliancy statement. For more detailed information on specific country requirements and conditions of use, please refer to the relevant Food Contact Compliancy statement. Please contact your account representative to get the full statement.

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If you want to learn more about our offerings



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