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A MILLIKEN BRAND

Global Leader in Coating Additives

Borchi® Burst Defoamers

Eliminates Micro and Macro Air Bubbles Initially and After Storage

Architectural & Industrial Defoamers

Borchi® Burst Defoamers

Borchi® Burst, designed for architectural and industrial applications, eliminates macro and micro air bubbles making it the perfect choice during all stages of manufacturing and application.

Borchi® Burst defoamers, for semigloss and flat finishes, are made for water-based, solvent-based, and solvent-free systems and can be used across a variety of formulations. Borchi® Burst has outperformed competitors in formulations using VSR-1050 (acrylic), SG-10 (acrylic), Vinnapas EF8300 (VAE), Rovace 9100AF (VA) and Rhoplex 101 (acrylic) resin.

Product	Chemistry	Solids	System	Application
Borchi® Burst DFS 600	Emulsion of modified silicones	20%	WB	WB gloss and wood coatings
Borchi® Burst DFM 100	Mineral oil, silica and surface active materials	100%	WB	WB flat systems in low to high PVC
Borchi® Burst DFM 200	Mineral oil, hydrophobes and surface active materials	100%	WB	WB flat systems in low to high PVC
Borchi® Burst DFS 500	Modified silicone, SVHC free	100%	WB, SB, Solvent-free	Pigment dispersions, semi gloss and high gloss paints
Borchi® Burst DF 300	Silicone-free polymers	100%	WB	Pigment dispersions, semi gloss and high gloss paints and wood coatings

Borchi® Burst performs better than competitors across a variety of formulations and finishes

Formulations

Finish	Resin	NVV	PVC	VOC g/l
Semigloss	VSR-1050 (acrylic)	34%	23%	50
	SG-10 (acrylic)			
Flat – Premium Interior	Vinnapas EF8300 (VAE)	36%	52%	2
	Rovace 9100AF (VA)			
Flat – Contractor	Vinnapas EF8001 (VAE)	33%	67%	19
	Rhoplex 101 (acrylic)			

Semigloss

Excellent Capability & Long-Term Efficiency

Application Testing

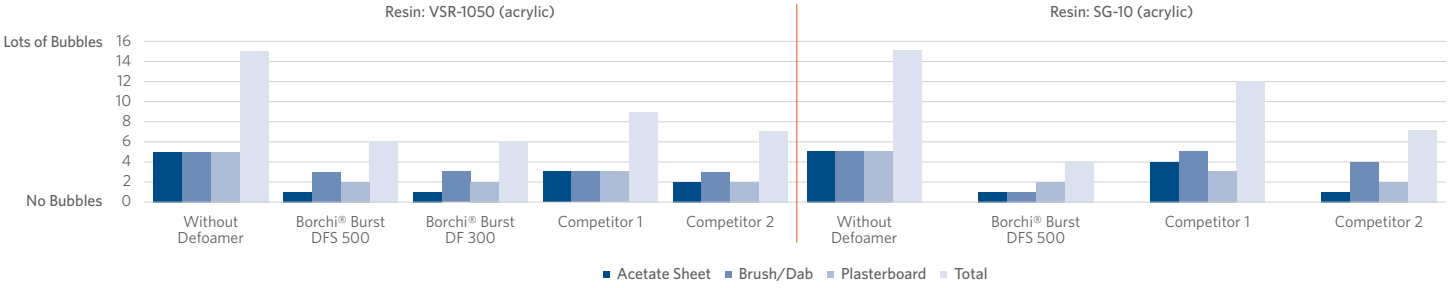
Acetate Sheet Application: Paint was applied with a sponge roller.

Brush/Dab: Using Leneta chart, paint was brushed down and then "dabbed" across the bottom to create foam.

Plasterboard: Tests the ability to eliminate macro and micro air bubbles on application.

High-performance defoaming across multiple substrates and applications

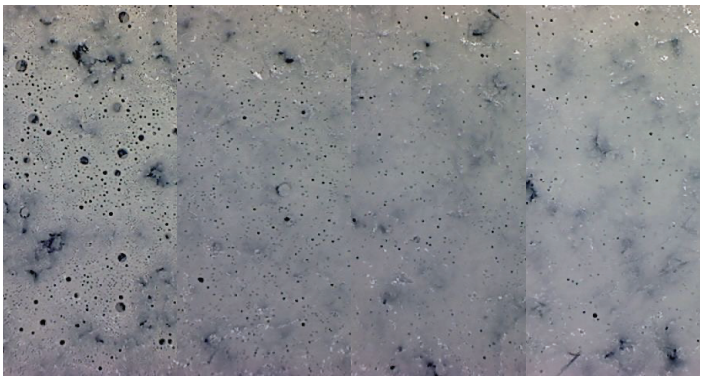
Borchi® Burst 500 and 300 eliminate both micro and macro air bubbles upon different methods of application and across multiple resins.



No loss of efficiency with Borchi® Burst 500 over time at 50°C for 4 weeks in a high-quality 100% acrylic formula

Semigloss Formula Evaluation

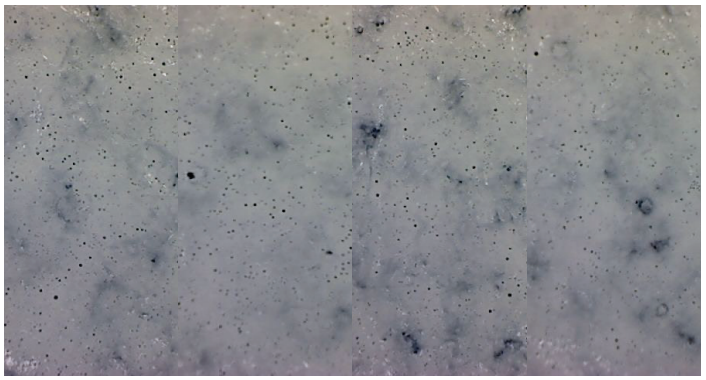
Resin: VSR-1050 (acrylic)



Blank | Competitor | Borchi® Burst DF 300 | Borchi® Burst DFS 500

Comparison of Initial vs Heat Aged Application Testing

Resin: SG-10 (acrylic)

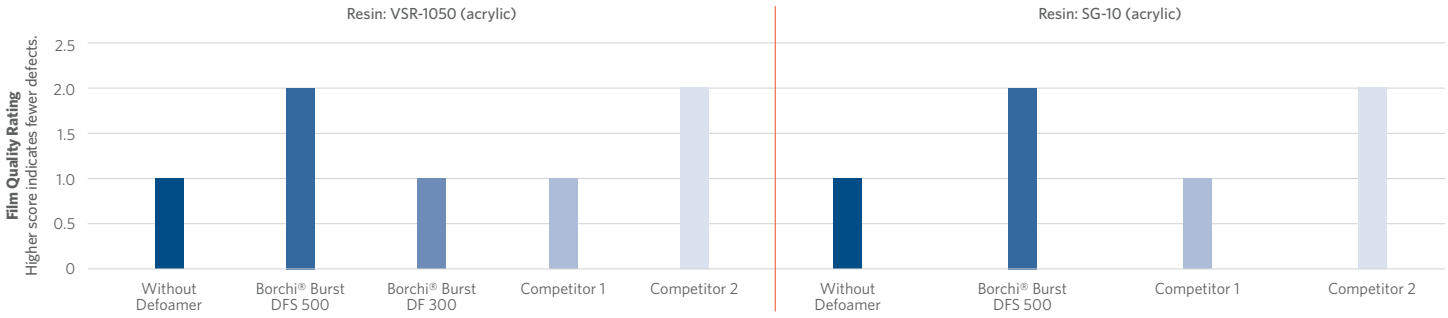


Initial Competitor | **Aged for 4 weeks at 50°C** Competitor | **Initial** Borchi® Burst DFS 500 | **Aged for 4 weeks at 50°C** Borchi® Burst DFS 500

40x magnified images of the dried paint film from the plasterboard application test

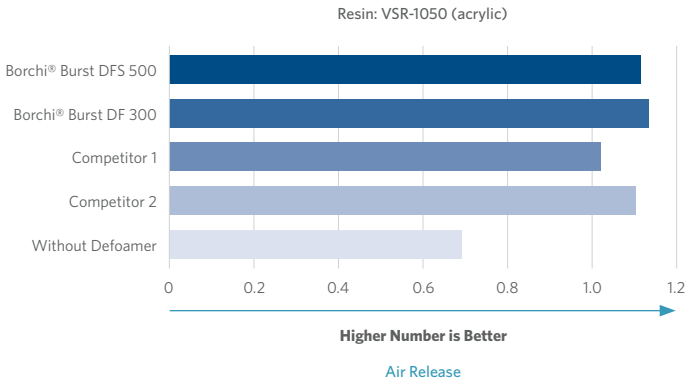
Excellent compatibility and robustness across multiple resins and coating technologies

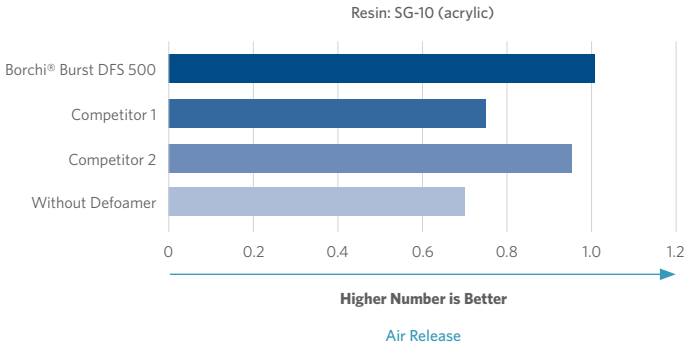
Compatibility compares the number of film defects observed after applying paint on a glass plate (wet film: 100-150 pm) and visually comparing it to a blank sample (without defoamer).



Superior Air Release

Spin Test





Perfect choice during all stages of manufacturing and application

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Flat – Premium Interior

Maximum Performance at a Great Value

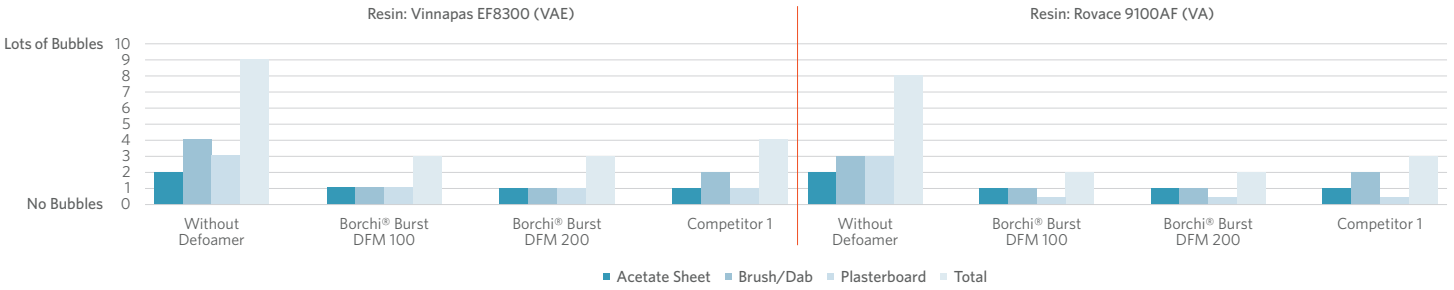
Application Testing

Acetate Sheet Application: Paint was applied with a sponge roller.

Brush/Dab: Using Leneta chart, paint was brushed down and then "dabbed" across the bottom to create foam.

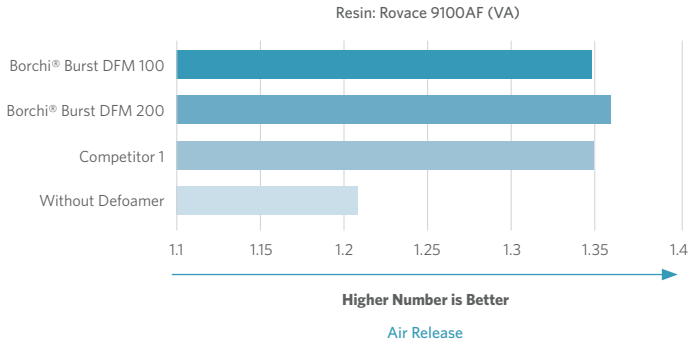
Plasterboard: Tests the ability to eliminate macro and micro air bubbles on application.

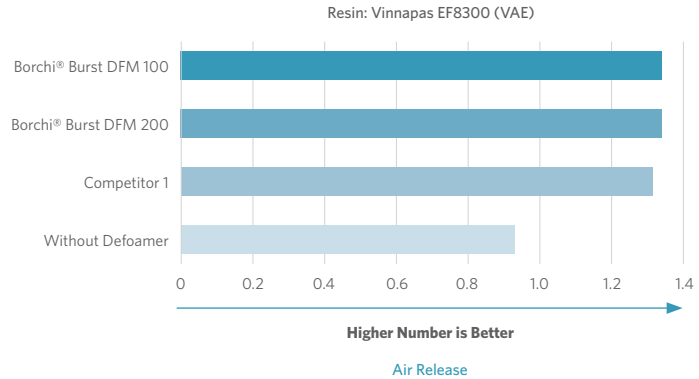
Borchi® Burst performs well across multiple applications



Excellent reduction of air entrapment

Spin Test





Flat – Contractor

Maximum Performance at a Great Value

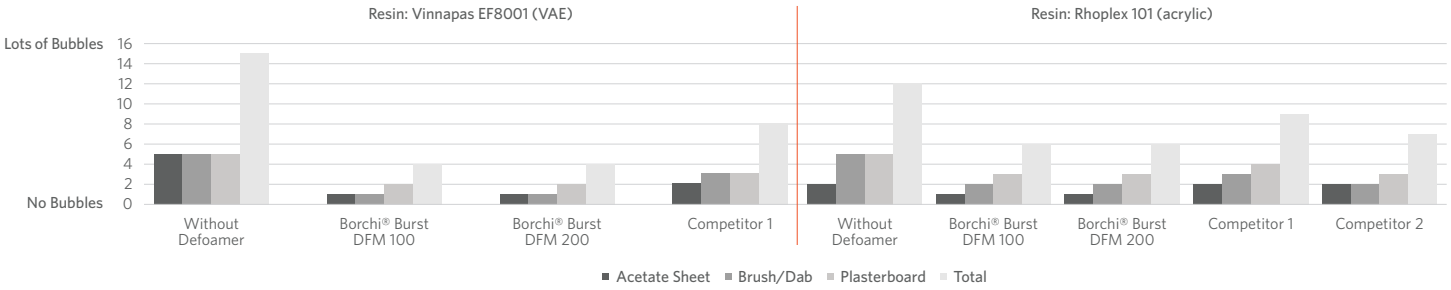
Application Testing

Acetate Sheet Application: Paint was applied with a sponge roller.

Brush/Dab: Using Leneta chart, paint was brushed down and then "dabbed" across the bottom to create foam.

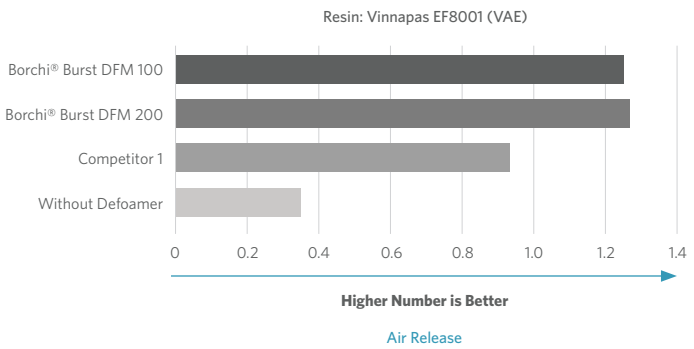
Plasterboard: Tests the ability to eliminate macro and micro air bubbles on application.

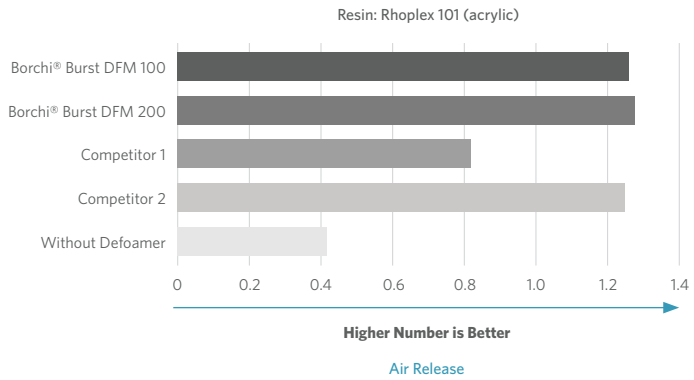
Borchi® Burst shows excellent performance across multiple polymers and substrates



Outstanding performance in reducing air entrapment

Spin Test





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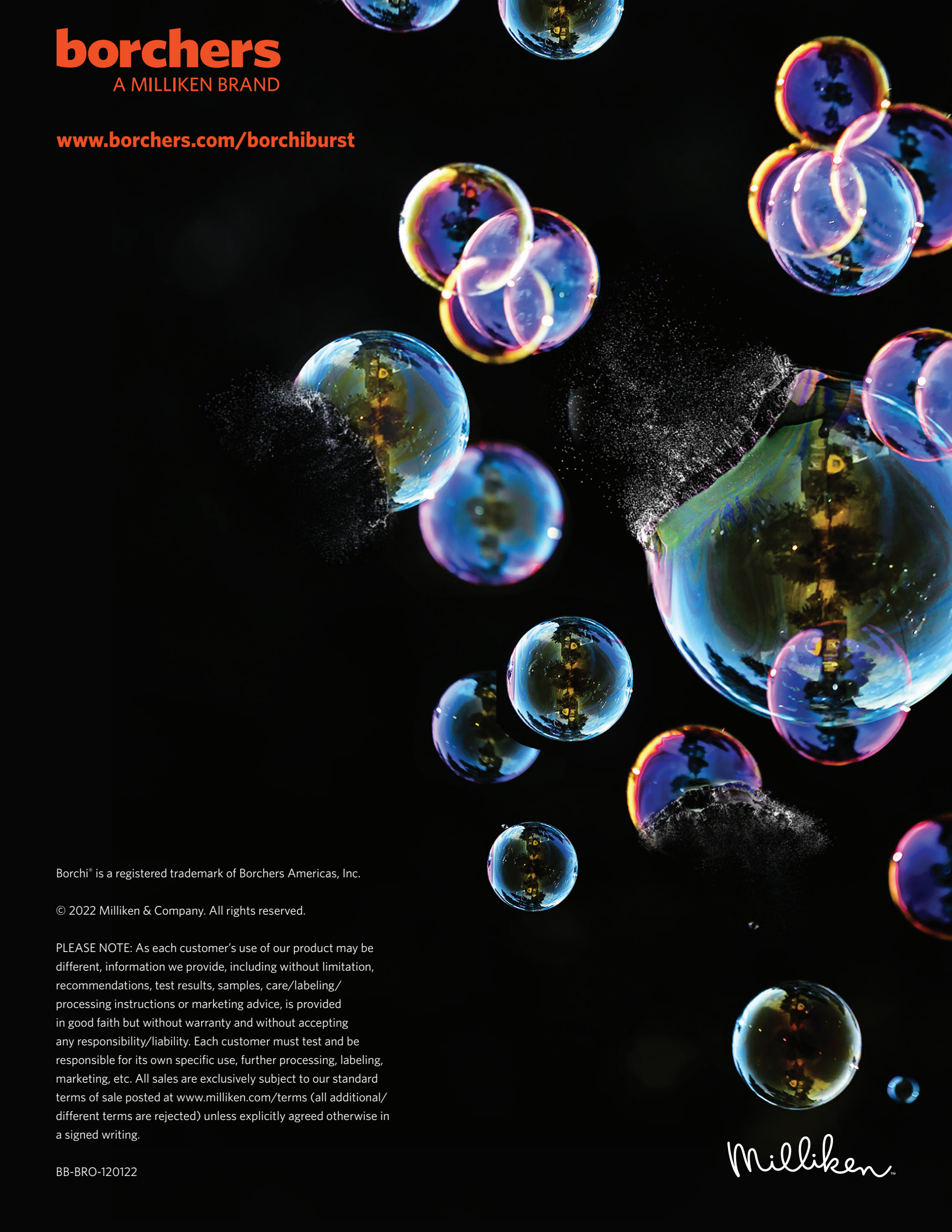

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