



Progress beyond

# BR<sup>®</sup> 179 | by Solvay

Next generation, sustainable, non-chromate primer





# Solvay's adhesive and surfacing technologies

## Proven technologies

Transportation manufacturers rely on Solvay for world-leading adhesive and surfacing technology that support increased production rate, improved manufacturing efficiency and the growing demand for sustainable solutions. Our technologies are considered as industry benchmarks and enable the development of light, safe and fuel efficient aircraft.

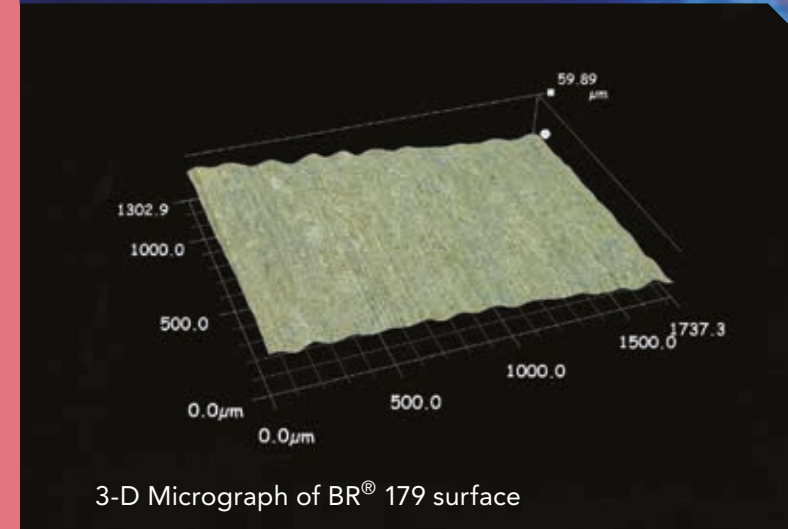
Our products are qualified by all major OEMs for use on commercial and defense aircraft programs and are proven to perform in demanding applications.

## Progressing beyond

We focus on developing breakthrough technologies that revolutionize the way adhesive and surfacing products are used; as well as developing specific technical solutions to support our customers on their innovation roadmap.

## Portfolio

Our full portfolio includes paste adhesives, film adhesives, surfacing films and lightning strike protection (LSP), composite surface preparation, bonding primers, honeycomb fill and splice, and foams, shims and sealants.



## Next generation, sustainable, non-chromate corrosion inhibiting primer

BR® 179 is a breakthrough innovation in the world of aerospace primers. A truly sustainable solution for adhesive bonding, this non-chromated primer provides corrosion resistance comparable to benchmark chromated primers.

BR® 179 is compatible with both 250°F and 350°F cure adhesive systems and can be used as either a bonding or coating primer. BR® 179 offers high performance, superior tolerance to primer thickness variations, and excellent mechanical properties. BR® 179 has unmatched usage flexibility: it can be stored at room temperature for at least 180 days, can be applied with existing spraying equipment and the visual guidance it offers after spraying is much better compared to conventional primers.

These unique features make BR® 179 the ideal solution for aerospace fabricators.





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## Next Gen, Non-Chromate Corrosion Inhibiting Primer

Corrosion resistance comparable to chromated based primers.

Summary of properties (FM<sup>®</sup> 73M06)

Property	Test Condition	Value	Test Method
Floating Roller Peel, lbf/in	-67°F	63	ASTM D3167
	75°F	80	
	176°F	59	
	194°F	50	
Wide Area Lap Shear, psi	-67°F	5261	ASTM D3165
	75°F	4771	
	176°F	3805	
	194°F	3444	
Single Lap Shear, psi	-67°F	6585	ASTM D1002
	75°F	6241	
	176°F	4307	
	194°F	3651	
Climbing Drum Peel, lbf/in	-67°F	75	ASTM D1781
	75°F	111	
	176°F	128	
	194°F	105	

### Key Features

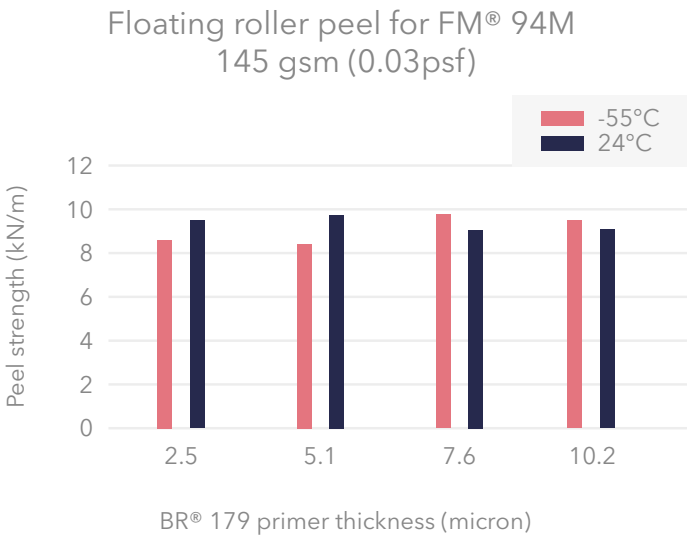
- Structural performance from -67°F to 350°F
- Compatible with a wide range of adhesive systems
- Superior tolerance to primer thickness variations
- Long shop life – 180 days at 75°F; 90 days at 90°F
- Visual guidance is better after spraying versus conventional primers

### Application

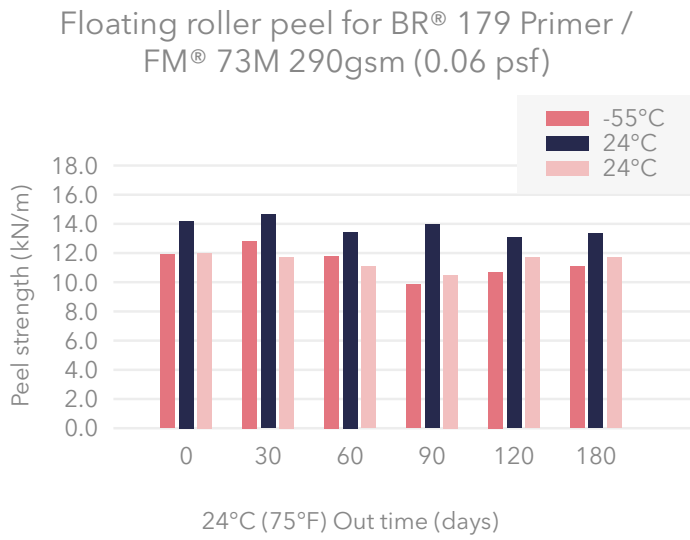
- Aerospace metal bonding
- Surface preparation for coating

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## Next Gen, Non-Chromate Corrosion Inhibiting Primer



Unmatched primer thickness tolerance



Outstanding out time stability and long shop/shelf life



“From science  
will derive  
the progress  
of mankind”

Ernest Solvay





Solvay  
Composite Materials  
4500 McGinnis Ferry Rd  
Alpharetta, GA 30005-3914 USA

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[www.solvay.com](http://www.solvay.com)

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