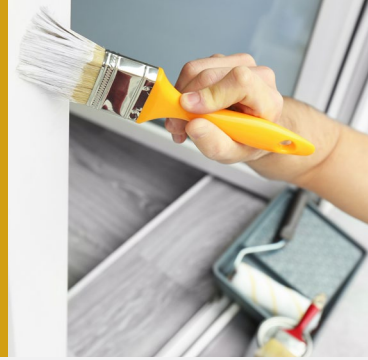


# Enhanced Blocking Resistance in Architectural Coatings

with **Borchi® Gol 1375** flow and leveling agent



## 100% Acrylic White Semi-Gloss Formulation

Waterborne Acrylic Formulation with Borchi® Gol 1375

Material	Function	Supplier	% by weight
PRETHIN			
Rhoplex 101C	Acrylic Emulsion	DOW	60.10
GRIND			
Water	-	-	7.98
Sodium Nitrite	Corrosion Inhibitor	Millipore Sigma	0.04
<i>mix at 1000 RPM for 5 min</i>			
Attapulgite clay	Thickener	-	0.31
<i>mix at 1000 RPM for 5 min</i>			
Tamol 731A	Dispersant	DOW	0.51
Surfynol 104 DPM	Surfactant	Evonik	0.15
Preventol BIT 20 N	Biocide	Lanxess	0.10
<b>Borchi® Burst DFS 500</b>	Defoamer	Milliken	0.25
Tetrapotassium pyrophosphate	Surfactant	Millipore Sigma	0.05
Ti-Pure™ R-706	Titanium Dioxide	Chemours™	23.43
Minex 7	Functional Filler	Sibelco	2.04
<i>mix at 3000 RPM for 15 min</i>			
Texanol	Coalescent	Eastman	0.61
<i>mix at 3000 RPM for 10 min</i>			
LETDOWN			
Water	-	-	1.70
28% Aqueous Ammonia	-	-	0.19
<b>Borchi® Gel 0434</b>	Thickener	Milliken	1.40
<b>Borchi® Gol 1375</b>	Flow & Leveling	Milliken	1.14
<i>mix at 2500 RPM for 10 min</i>			
<b>Total</b>			<b>100.00</b>

NVM	57.36%	VOC	20.39 g/L
NVV	44.09%	PVC	19.74%
DOP	0.49%	HAP	0.00 g/L

Competitive additive screening in the formulation:

**Competitor A:**

Non-fluorinated surfactant mixture;  
2% as supplied

**Competitor B:**

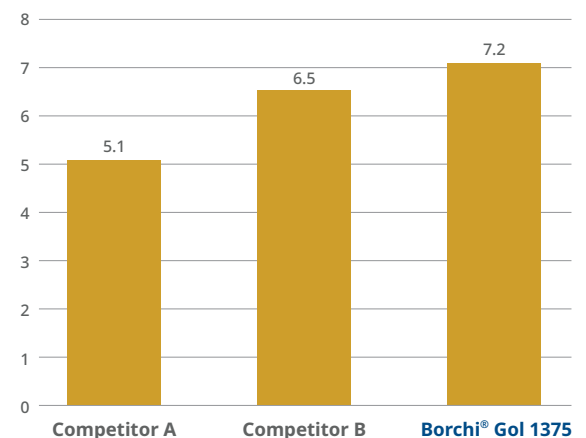
Silicone-containing surface additive;  
1% as supplied

**Borchi® Gol 1375:**

Silicone-free substrate wetting agent;  
1.14% as supplied

### Elevated Temperature Block Resistance Compared to Competitive Additives

ASTM D4946 blocking  
average score, 4 hour dry, 30 mins/120°F



**Additional performance benefits on the back** →

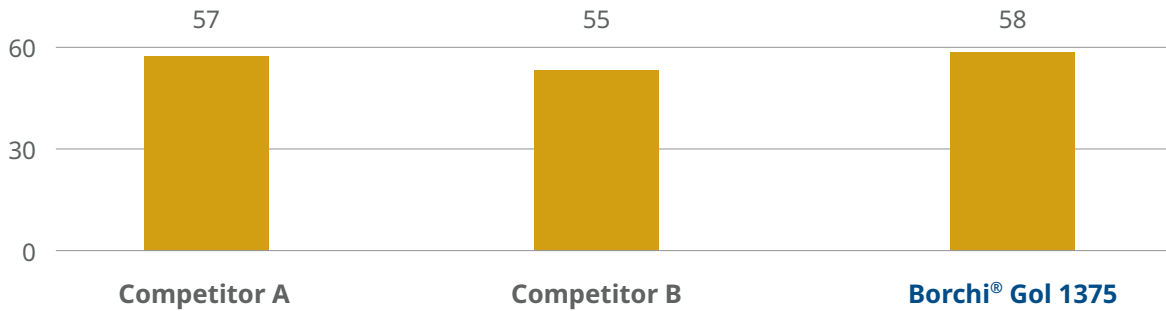
# Excellent Gloss & Stain Resistance in an Acrylic White Semi-Gloss Formulation

with **Borchi® Gol 1375** flow and leveling agent

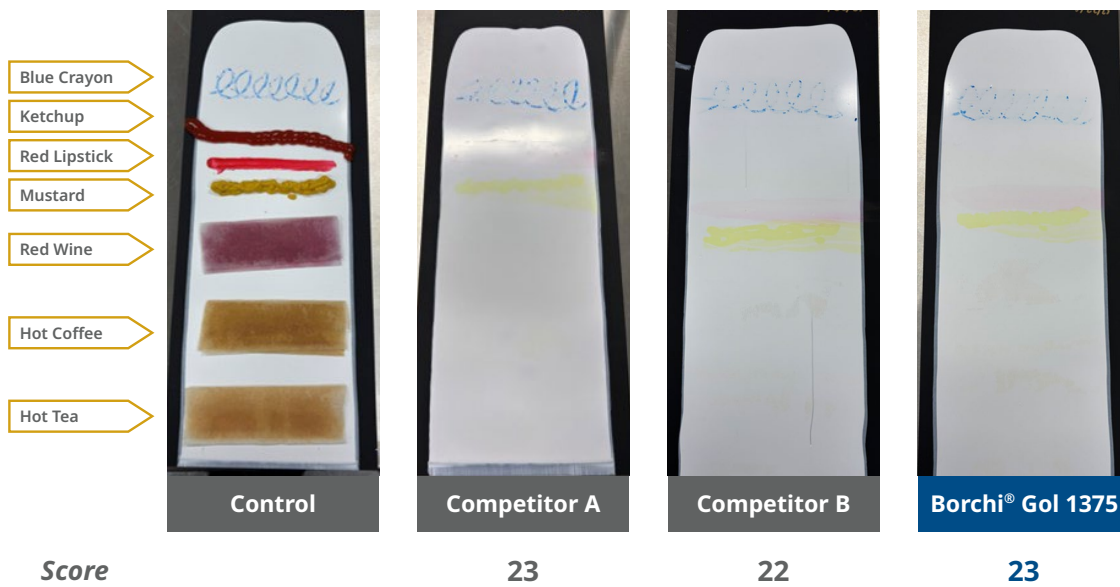


## Improved Gloss

60° (average score)



## No Negative Impact on Stain Resistance



Please visit our website to [request a sample](#)

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing. Borchi is a trademark of Borchers Americas.

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