

Water-Reducible High Gloss Alkyd Formulation for General Industrial Use

with Borchi® Performance Additives



 HAPS-free

High-performance formulation for improved adhesion, corrosion resistance, and reverse impact compared to benchmark formulations



General Industrial Paint Formula			
Material	Function	Supplier	Formulation (Weight)
Deionized Water	Solvent	N/A	5.05
Borchi® Burst DF 300	Defoamer	Milliken	0.11
Borchi® Gen 1252	Dispersant	Milliken	0.60
Kronos 2310	Titanium Dioxide	Kronos	20.92
High speed disperse to 7+ Hegman			
Charge to letdown tank			
Polychem 7775-EB-70	Resin	OPC Polymers	27.89
Butyl Cellosolve	Solvent	DOW	1.49
Triethylamine	Amine	Sigma-Aldrich	1.34
Deionized Water	Solvent	N/A	41.17
Add grind paste to letdown			
Premix next four items, then add slowly, incompatibility will occur if not premixed			
Butyl Cellosolve	Solvent	DOW	0.75
10% Cobalt Hydro-Cure® IV	Drier	Milliken	0.15
5% Calcium Hex-Cem®	Drier	Milliken	0.29
Borchers® Dry 4012 aqua US	Drier	Milliken	0.24
Total			100.00

Borchi® Performance Additives







Borchi® Burst DF 300:

-  VOC- and silicone-free
-  Foam control agent and defoamer

Borchi® Gen 1252:

-  100% active, VOC- and APEO-free
-  Wetting and dispersing agent

Formula Specifications

-  **Lb/gal:** 10.05
-  **Viscosity:** 64 ± 3 KU
-  **NVV:** 27.27%
-  **VOC (g/L):** 336
-  **PVC:** 22.07%
-  **pH:** 8.3-8.8



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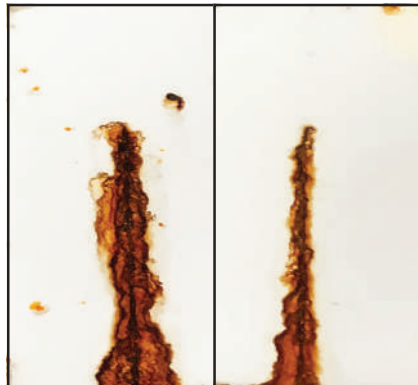
HAPS-free

Improved Corrosion Resistance

ASTM B117 Q-Fog Salt Spray

**Benchmark
Formula**

**Optimized
Formula**



6 mil WFT, R-36 Cold Rolled Steel Panel, 7-day cure,
336 hours, 3" Line Scribe

Optimized Adhesion

Scotch 600 Tape

Permacel Tape



ASTMD 3359 Class: 5B

ASTMD 3359 Class: 5B

6 mil WFT, R-36 Cold Rolled Steel Panel, 7-day cure

Excellent Reverse Impact

Benchmark Formula

Optimized Formula

144 inch-pounds		
120 inch-pounds		
60 inch-pounds		
20 inch-pounds		
4 inch-pounds		

6 mil WFT, R-36 Cold Rolled Steel Panel, 7-day cure, 4-lb weight

Order your sample at:
www.borchers.com/contact

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 (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing. Borchi is a trademark of Borchers Americas.