

# Waterborne Alkyd Emulsion Formulation For Interior High Gloss Trim Applications

with Borchi® Performance Additives

**Cobalt-free and Low-VOC Formulation**

## Performance Additives:

### Borchers® AF 1171:

- VOC-free, silicone based
- Anti-foaming agent and defoamer

### Borchi® Gen 1252:

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

### Borchi® Gol LA 232:

- 100% active, VOC-free
- PDMS additive for improved slip, deaeration, substrate wetting, and flow and leveling properties

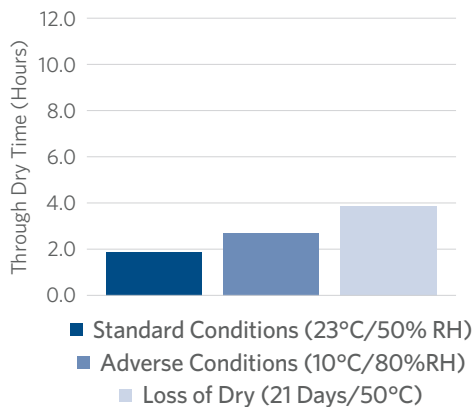
### Borchi® OXY-Coat 1101:

- VOC-free and APEO-free
- High-performance, cobalt-free drier

## Interior High Gloss Trim Paint Formulation

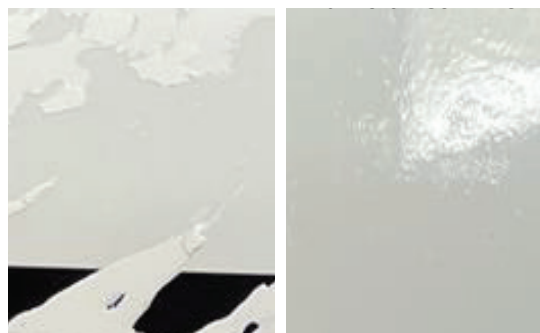
Material	Function	Supplier	Formulation
Deionized Water	Solvent	N/A	10.39
<b>Borchers® AF 1171</b>	Defoamer	Milliken	0.20
<b>Borchi® Gen 1252</b>	Dispersant	Milliken	0.66
Ti-Pure R-706	Titanium Dioxide	Chemorus	26.25
Grind to Hegman 7			
Synaqua 4804	Resin	Arkema	18.67
Coapur 2020 W	Rheology Modifier	Arkema	1.47
Coapur 817 W	Rheology Modifier	Arkema	0.78
Synaqua 4804	Resin	Arkema	41.24
<b>Borchi® Gol LA 232</b>	Flow/Leveling/Anti-Blocking	Milliken	0.20
<b>Borchi® OXY-Coat 1101</b>	High-Performance Catalyst	Milliken	0.14
<b>Total</b>			<b>100.00</b>

## Excellent Drying Under Various Conditions



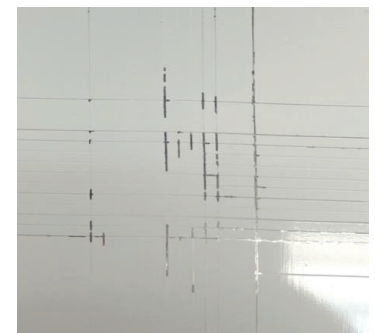
## Improved Blocking Resistance

Without Borchi® Gol LA 232    **With Borchi® Gol LA 232**



10 mil WFT, 7B Leneta Chart,  
120°F for 1 Hour, 1 lb weight

## Great Adhesion Performance



3 mil WFT, CRS Panel,  
Conditioned 24 Hours at 23°C/50%RH



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