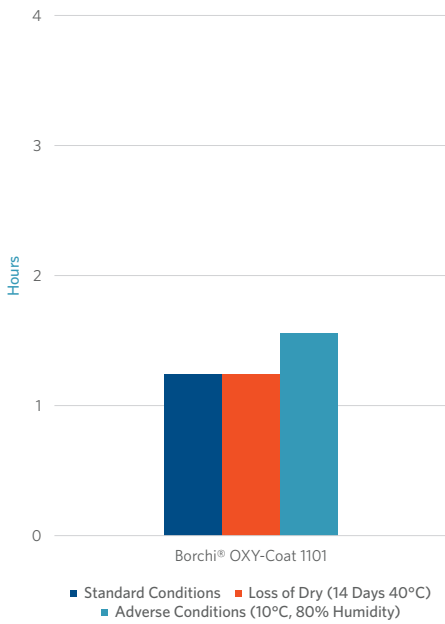


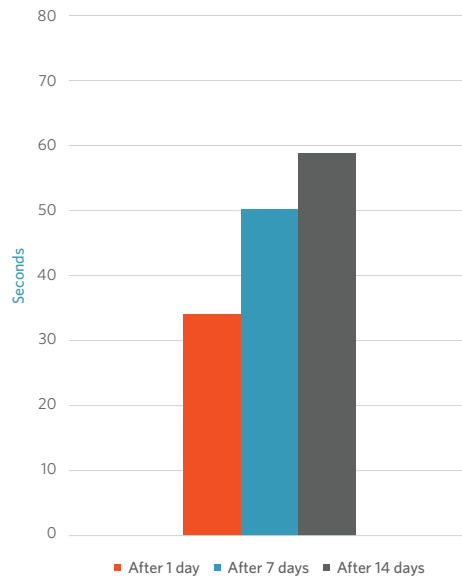
# Air Drying One Component Single-Layer Coating - Black

Starting Formulation with Borch<sup>®</sup> Gen 1757, Borch<sup>®</sup> OXY-Coat 1101 and Bayhydrol UH 2592

### Dry Times - Under 2 hours

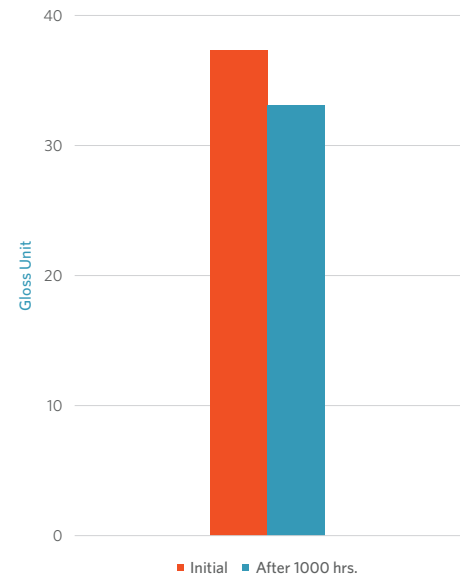


### Outstanding Pendulum Hardness (König Method)



### Excellent Gloss Retention

Initial and After 1000 hrs. Weathering Test

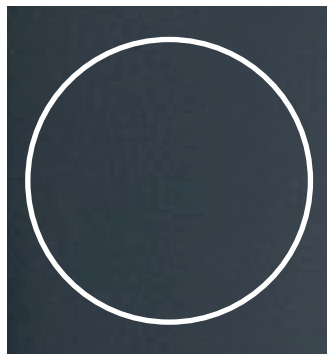


### Excellent Adhesion, No Blistering



After 1,000 UVA

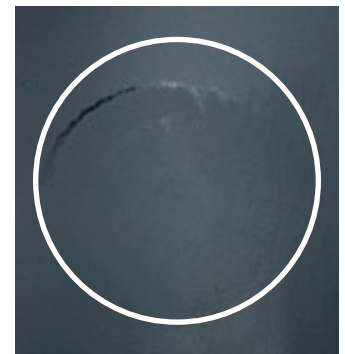
### Good Chemical Resistance



Xylene  
5 minute



Acetone  
1 minute



2-Propanol  
5 minute

# Starting Point Formulation

with Borchi® Gen 1757 & Borchi® OXY Coat 1101

## Air-Drying One Component Anti-Corrosion Primer - Black

Step	Instructions	Components	% by WT.	Supplier	Function
1	Place in vessel	Deionized Water	8.26		
2	Add organic solvents, each fluid additives under agitation	Butyl glycol/Dowanol DPnB (1:1) N-Ethyl-diisopropylamine 50%ig in Ethanol Borchi® Gen 1757 Ascotran H10 Borchi® Gol LA 50 Borchers® AF 1171	3.70 0.52 1.00 0.17 0.10 0.10	Sigma Aldrich Sigma Aldrich Borchers GmbH Ascotec Borchers GmbH Borchers GmbH	Solvent Neutralizing agent Wetting & Dispersing Flash rust inhibitor Substrate wetting Defoamer
3	Active anti-corrosion pigments and zinc oxide should be dispersed with the additives and solvents into the resins for approx. 5 min. at 2000 rpm	K-White 105 Bayoxide® Z active	8.58 0.86	Lehmann & Voss Borchers GmbH	Anti-corrosion, white pigment Corrosion protection pigment
4	Incorporate the remaining pigments and extenders with dissolver. Disperse for 20 min at 3000 rpm	Lamp Black FW 101 EWO Finntalc M 15	1.36 6.10 3.67	Orion Engineered Carbons Sachtleben minerals Elementis	Pigment Extender Extender
5	Grind in a bead mill up to a grain size of <20 µm				
6	Let down the mill base with the resin, stir for 10 minutes at 1000 rpm	Bayhydrol UH 2592	63.90	Covestro	Resin
7	Add the thickener and stir for 10 minutes at 1000 rpm	Borchi® Gel 0620, 10% in Butyl glycol	1.28	Borchers GmbH	Rheology Modifier
8	Add the drier and stir again for 10 minutes at 500 rpm	Borchi® OXY-Coat 1101	0.40	Borchers GmbH	Co-free drier
		<b>Total</b>	<b>100.00</b>		
9	Add water to set recommended spray viscosity: flow time of 25-30 s in DIN 4 cup.		15.00		
		<b>Total</b>	<b>115.00</b>		

Order your sample at:  
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[borchers.cust.service@milliken.com](mailto:borchers.cust.service@milliken.com)

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