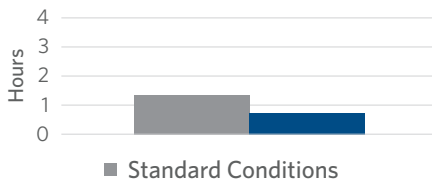


# Air-Drying One Component Anti-Corrosion Primer - Grey

Starting Point Formulation  
with Borchi® Gen 1750 & Bayhydrol UH 2592

### Dry Times - Under 1.5 Hours

Even Under Adverse Conditions



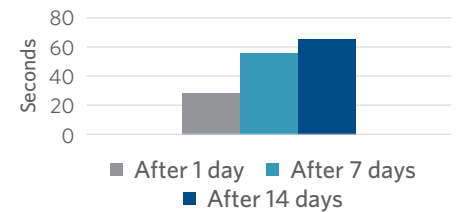
### Great Corrosion Resistance

Q-FOG Salt Spray After 500 hours



### Excellent Pendulum Hardness

(König Method)



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

Step	Instructions	Components	% by WT.	Supplier	Function
1	Place in vessel	Bayhydrol UH 2592	30.84	Covestro	Resin
2	Add organic solvents, each fluid additives under agitation	Butyl glycol/Dowanol DPhB (1:1)	3.70	Sigma Aldrich	Solvent
		Borchi® Gen 1750	1.00	Borchers GmbH	Wetting & Dispersing
		Ascotran H10	0.17	Ascotec	Flash rust inhibitor
		Borchi® Gol LA 50	0.10	Borchers GmbH	Substrate wetting
		Borchers® AF 1171	0.10	Borchers GmbH	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	8.28	Lehmann & Voss	Anti-corrosion, white pigment
		Bayoxide® Z active	0.82	Borchers GmbH	Corrosion protection pigment
4	Add water and stir	Deionized Water	1.58		
5	Slowly add EDIPA and stir for 5 minutes	N-Ethyl-diisopropylamine 50%ig in Ethanol	0.50	Sigma Aldrich	Neutralizing agent
6	Add water and stir for 5 minutes	Deionized Water	0.60		
7	Incorporate the remaining pigments and extenders with dissolver. Disperse for 20 min at 3000 rpm	Kronos 2190	9.26	Kronos Titan	Pigment
		Lamp Black FW 101	0.10	Orion Engineered Carbons	Pigment
		EWO	5.89	Sachtleben minerals	Extender
		Finntalc M 15	3.54	Elementis	Extender
8	Grind in a bead mill up to a grain size of <20 µm				
9	Add water and stir for 5 minutes	Deionized Water	1.40		
10	Let down the mill base with the resin, stir for 10 minutes at 1000 rpm	Bayhydrol UH 2592	30.84	Covestro	Resin
11	Add the thickener and stir for 10 minutes at 1000 rpm	Borchi® Gel 0620, 10% in Butyl glycol	0.88	Borchers GmbH	Rheology Modifier
12	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>		
13	Add water to set recommended spray viscosity: flow time of 25-30 s in DIN 4 cup.		9.00		
		<b>Total</b>	<b>109.00</b>		



For more information, please reach us at [borchers.com/contact](http://borchers.com/contact)

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