

Optimized Drying and Stability with a Bio-Based Alkyd Resin in a Waterborne System

with **Borchi® OXY-Coat 1101** and **Borchi® Dragon** high-performance catalysts

Results against traditional driers in a white decorative wood formulation

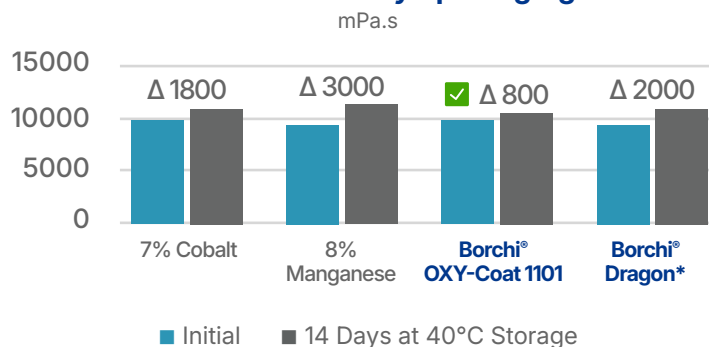
White Waterborne Wood Coating using a Bio-Based Alkyd Resin
VOC: <3 g/L Solids: ~59% Density: 1.06 pH: 7.7 Gloss (60°): 84

Material	Function	Supplier	Weight %
Deionized Water	Water	—	10.65
Propylene Glycol	Solvent	Merck	2.40
Borchi® Gel 0625	Thickener	Milliken	1.25
Borchi® Burst DFS 500	Defoamer	Milliken	0.50
Borchi® Gol 1375	Substrate Wetting	Milliken	0.50
Borchi® Gen 1252	Dispersant	Milliken	0.70
Kronos 2310 (TMP-free)	White Pigment	Kronos	24.00
Beckosol AQ® 101	Long Oil Alkyd Resin (61% bio-based)	Polynt-Reichhold	60.00

Total 100.00

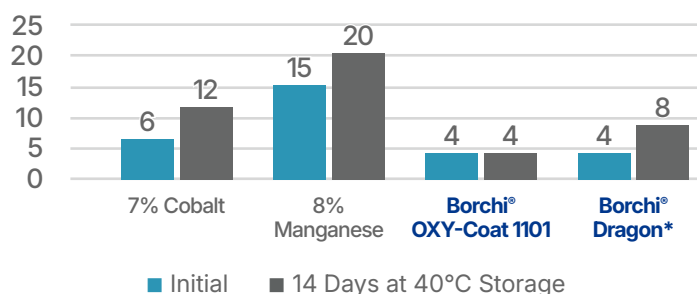
Driers and high-performance catalysts were added at 0.1% on total formulation

Excellent stability upon aging



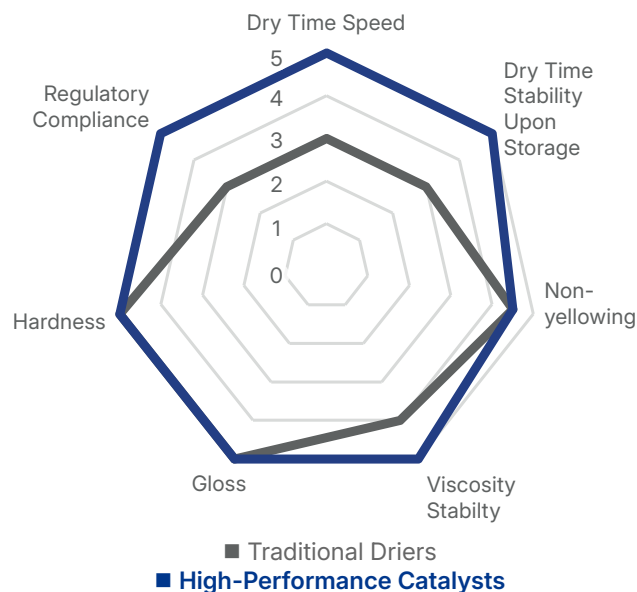
Enhanced loss of dry and up to 80% faster dry times

Dry Hard Time (Hours)



Overall Performance

0=poor, 5=excellent



**Borchi® Dragon Low VOC is an alternative with 92% bio-based content (ASTM D6866-24 B) at comparable performance*



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

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