

# Conformal Coating Formulation for Standard and Adverse Environments

with Borchers Performance Additives

✓ Cobalt-free, MEKO-free & Phenol-free

Improves dry times in standard and adverse conditions, storage stability, and early water resistance

Conformal Coating Formulation				
Material	Function	Supplier	Control	Optimized Formula
WorléeKyd S 6003	Resin	Worlée	80.00	80.00
Exxsol™ D40	Solvent	ExxonMobil	20.00	20.00
Co/Zr Mixed Drier	Drier	China Local	1.20	
Zirconium 12	Drier	China Local	2.00	
<b>Borchi® Dragon</b>	High-Performance Catalyst	Milliken		0.40
<b>Octa-Soligen® Calcium 10, basic</b>	Drier	Milliken		0.40
<b>Ascinin® Anti Skin 0445</b>	Anti-Skinning Agent	Milliken	0.80	0.80
<b>Total</b>			104.00	101.60

### Borchers Performance Additives

#### Borchi® Dragon

✓ Cobalt-free

- High-performance catalyst for high solids alkyd resins

#### Ascinin® Anti Skin 0445

✓ MEKO-free and phenol-free

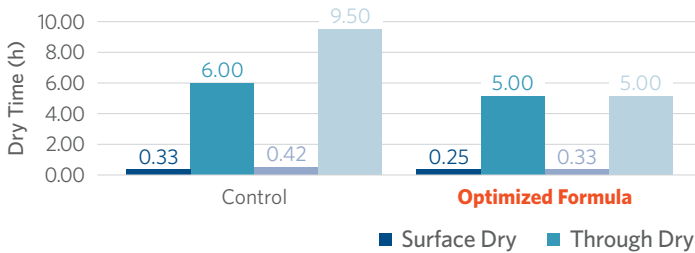
- Anti-skinning agent for solvent- and water-based oxidatively-cured coating systems

Resin Solid Content% =40%

### Enhanced Dry Times and Stability

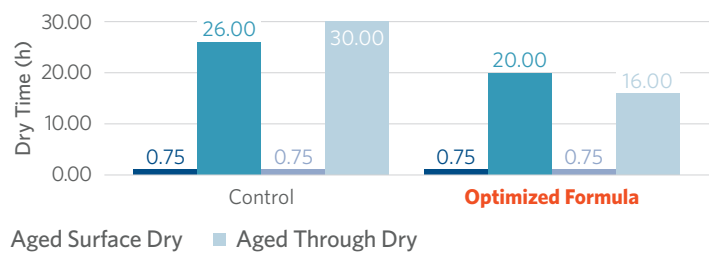
#### Standard Conditions

(23°C, R.H. 50%) Dry performance GB/T 1728 filter paper (50°C, 2 Wk)

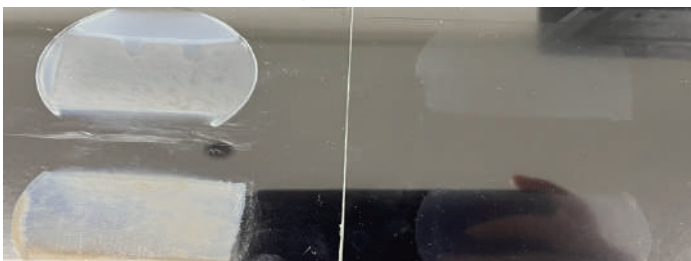


#### Adverse Conditions

(10°C, R.H. 80%) Dry performance GB/T 1728 filter paper (50°C, 2 Wk)



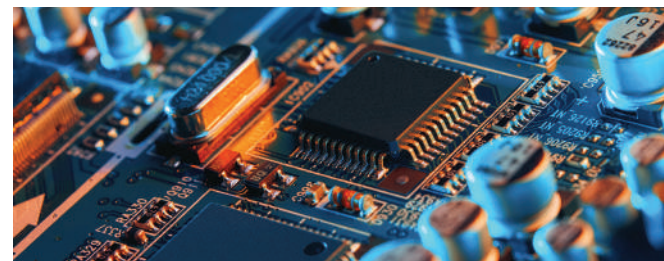
### Better Early Water Resistance



Control

Optimized Formula

Dry 4h, Soak 24h



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