

Superior Hot Block Resistance and Matting Effect in an Alkyd Emulsion

with **Borchi® Coll 10** and **20** anti-blocking agents

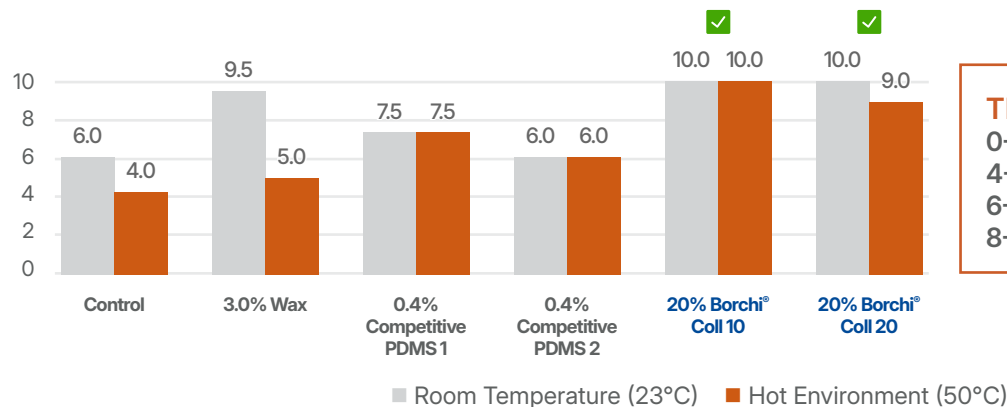
White coating for architectural applications

- Nano-silica particles for low-VOC formulations
- Outstanding matting efficiency
- Improved hot block resistance
- Enhanced anti-slip performance



Highest Block Resistance Ratings Across Temperatures

Block resistance, 0-10 scale

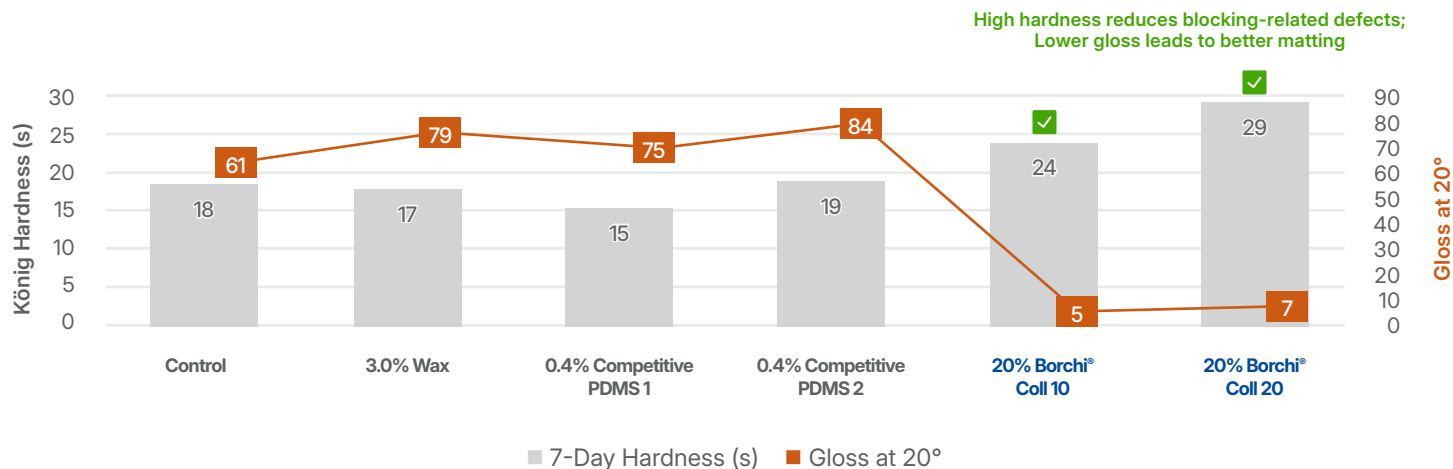


The Blocking Scale

- 0-3 Sealed - very poor
- 4-5 Tacky - fair
- 6-7 Slight tack - good
- 8-10 No tack - excellent

Best Hardness and Matting Effect

König Hardness (s) on left y-axis, Gloss at 20° on right y-axis



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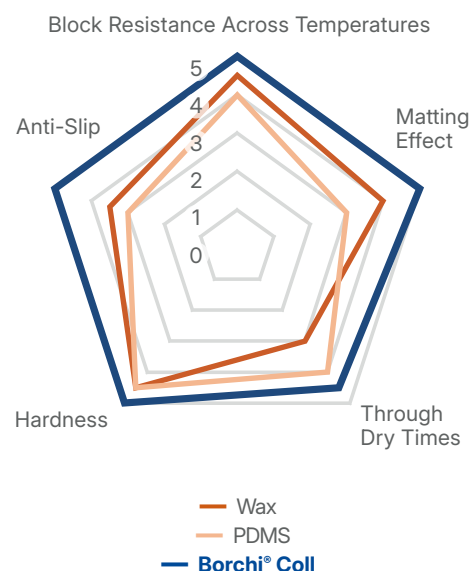
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Material	Function	Supplier	% by Weight		
			Wax	PDMS	Borchi® Coll
Water	-	-	14.35	14.35	14.35
Borchi® Gel 0434	Rheology Modifier	Milliken	2.50	2.50	2.50
Borchi® Gel 0625	Rheology Modifier	Milliken	0.70	0.70	0.70
Borchi® Gel 1375	Substrate Wetting Agent	Milliken	0.30	0.30	0.30
Borchi® Burst DFS 500	Defoamer	Milliken	0.30	0.30	0.30
AMP-95	Neutralization Additive	-	0.20	0.20	0.20
Borchi® Gen 1252	Wetting and Dispersing Agent	Milliken	0.75	0.75	0.75
Kronos 2190 (TMP-free)	TiO ₂ Pigment	Kronos	26.00	26.00	26.00
Uradil® AZ-760	Alkyd Emulsion (binder)	Covestro	54.40	54.40	54.40
Borchi® OXY-Coat 1101	High-Performance Catalyst	Milliken	0.20	0.20	0.20
Ascotran H10	Corrosion Inhibitor	Ascotec	0.20	0.20	0.20
Total:			100	100	100
Wax	Anti-Blocking Agent	—	3.00	—	—
PDMS 1 or PDMS 2	Flow and Leveling Agent	Competitor	—	0.40	—
Borchi® Coll 10 or Borchi® Coll 20	Anti-Blocking Agent	Milliken	—	—	20.00

Performance Attributes

0 = poor, 5 = excellent



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