

# Borchi® Gen 1252 / Borchi® Gel PN

Higher Inorganic Pigment Loading, Long Term Viscosity Stability & Anti-Settling Performance

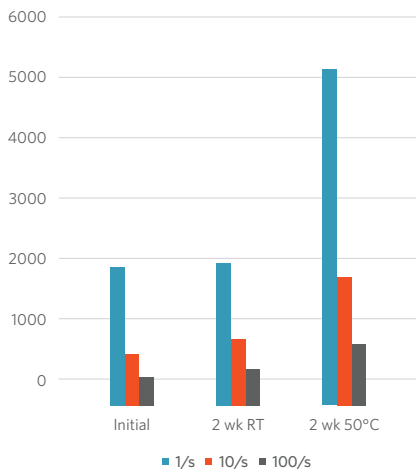
- No settling and improved viscosity variance over time after extended heat age stability
- No change in gloss or contrast ratio
- High opacity
- Strong tint strength

## 75% TiO<sub>2</sub> Concentration

Excellent Viscosity Stability with Borchi® Gen 1252 and Borchi® Gel PN

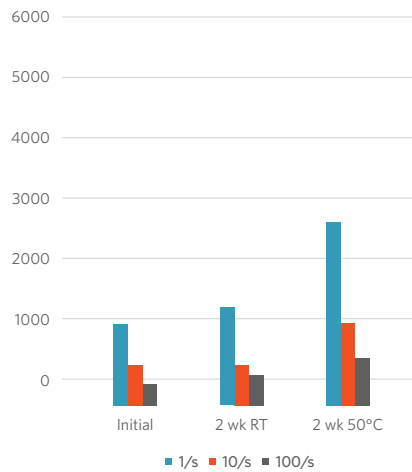
### 75% Ti- Pure® R706

Borchi® Gen 1252 / Borchi® Gel PN



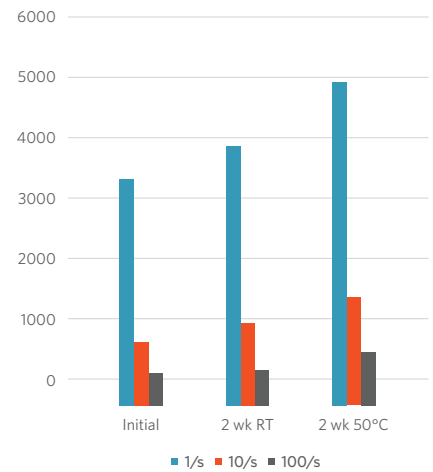
### 75% Kronos 2310

Borchi® Gen 1252 / Borchi® Gel PN



### 75% Tronox® 828

Borchi® Gen 1252 / Borchi® Gel PN



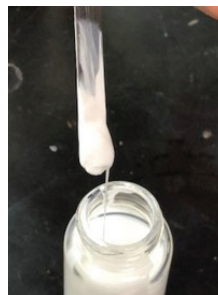
## 2-Week, 50° C Stability Test



Settling Control



Free-Flowing Borchi® Gen 1252 & Borchi® Gel PN



Settling Control



Free-Flowing Borchi® Gen 1252 & Borchi® Gel PN

### WB Concentrate 75% TiO<sub>2</sub>

Water	21.88
Borchi® Gen 1252 (100%)	2.25
AMP 95	0.12
Borchers® AF 1171	0.25
Borchi® Gel PN	0.50
TiO <sub>2</sub>	75.00
<b>TOTAL</b>	<b>100.00</b>
AOP	3.00%

# Borchi® Gen 1252 / Borchi® Gel PN

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70% TiO<sub>2</sub> Concentration

### Formulation

	Borchi® Gen 1252 / Borchi® Gel PN	Fumed Silica
TiO <sub>2</sub>	70.00	70.00
Borchi® Gen 1252 (100%)	2.10	3.50
AMP 95	0.10	0.15
Borchers® AF 1171	0.25	0.25
Borchi® Gel PN	0.50	
Fumed Silica		0.30
DI Water	27.05	25.80
<b>TOTAL</b>	<b>100.00</b>	<b>100.00</b>
%DOP	3.00	5.00

Disperse in the Lau for 1 hr  
Concentrate to Glass Beads 1:1

### Evaluations in Flat Exterior and Semi-Gloss Alkyd

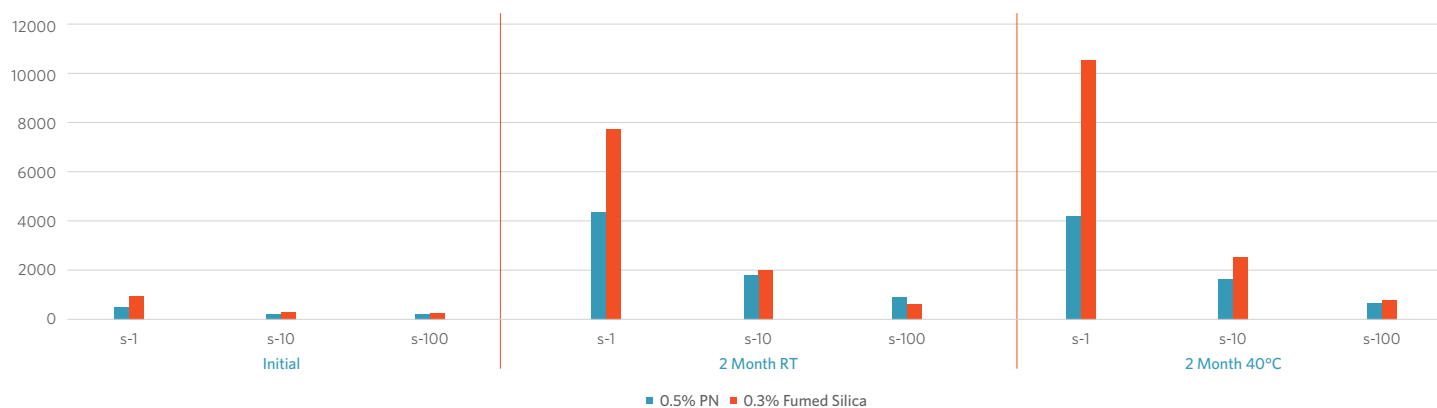
Exterior Flat (gloss clear 85° = 1.5)	1 week		2 months	
	3% DOP	5% DOP	3% DOP	5% DOP
	0.5% PN	Fumed Silica	0.5% PN	Fumed Silica
Contrast Ratio (L*B/L*W)	0.98	0.99	0.99	0.99
<b>Gloss 85° Leneta</b>	<b>4</b>	<b>15</b>	<b>4</b>	<b>10</b>

Alkyd Semi-Gloss (gloss clear 60° = 10)	1 week		2 months	
	3% DOP	5% DOP	3% DOP	5% DOP
	0.5% PN	Fumed Silica	0.5% PN	Fumed Silica
Contrast Ratio (L*B/L*W)	0.99	0.99	0.99	0.99
<b>Gloss 60° Leneta</b>	<b>10</b>	<b>14</b>	<b>10</b>	<b>14</b>

Stable Gloss Values Over Time

### Viscosity Stability

Borchi® Gel PN vs Fumed Silica Viscosity Stability σ (CP)



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