

# Multi-Pigment Solventborne PU Coating with a Versatile Dispersant for Co-Grinding

## Borchi® Gen 0311 dispersant

Compatible with various pigments, enabling co-grinding for industrial coatings



- Higher efficiency in pigment dispersions
- Improved stability - no syneresis of the paint or flocculation
- Easy to handle through its low viscosity
- Excellent color strength

### Improved Stability

Grey Pigment



Competitor A      Competitor B      **Borchi® Gen 0311**  
*No syneresis or pigment floating after 7 days at 50°C*

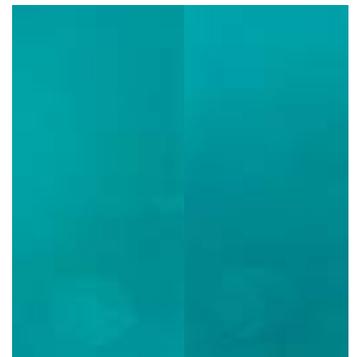
### Minimized Flooding

Grey Pigment



Competitor A      **Borchi® Gen 0311**

Green Pigment



Competitor A      **Borchi® Gen 0311**

### Strong Color Development in Co-Grinding

Grey Pigment



Competitor A      **Borchi® Gen 0311**

Blue Pigment



Competitor A      **Borchi® Gen 0311**

Green Pigment



Competitor A      **Borchi® Gen 0311**

<b>L*</b>	36.9	34.4	37.0	36.7	56.1	55.3
<b>a*</b>	-1.4	-1.2	-13.3	-13.5	-42.0	-44.5
<b>b*</b>	-3.8	-3.6	-37.0	-37.0	0.7	1.5

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### Part A

Material	Function	Supplier	GREY	BLUE	GREEN
<i>Grind</i>					
Macrynal SM 595N/65X	Resin	Allnex	40.00	40.00	40.00
Methoxy Propyl Acetate (MPA)	Solvent	—	5.00	5.00	5.00
<b>Borchi® Gen 0311</b> Same amounts used for Competitor A & B	Dispersant	Milliken	1.32	1.32	0.66
TiO <sub>2</sub>	Pigment	Kronos	16.60	15.00	15.00
FW 200	Pigment	Orion	0.65	—	—
PB 15:1	Pigment	Heubach	—	3.00	—
PG 7	Pigment	Heubach	—	—	1.50
Butyl Acetate	Solvent	—	9.20	9.42	9.20
Xylene	Solvent	—	10.00	10.00	10.00
<i>Let-down</i>					
Macrynal SM 595N/65X	Resin	Allnex	10.00	10.00	10.00
Xylene	Solvent	—	4.50	4.50	4.50
Butyl Acetate	Solvent	—	3.38	3.38	3.38
Total			100.00	100.00	100.00
DOP			0.5% on TiO <sub>2</sub> 80% on FW 200	0.5% on TiO <sub>2</sub> 15% on PB 15:1	0.5% on TiO <sub>2</sub> 15% on PG 7

### Part B

Material	Weight
Desmodur N3390	97.54
1% DBTDL in Xylene	2.46
Total	100.00

Part A : Part B = 80 : 20



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

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