

2 Pack Water Base Epoxy Anti-Corrosion Primer Based on Beckopox® EP 385w and Beckopox® VEH 2106w



Ingredients	Description/Supplier	Pounds	Gallons
Part A:			
Deionized Water		81.70	9.81
PM	Propylene glycol methylether co-solvent, Lyondell	20.40	2.65
PnB	Propylene glycol methylether co-solvent, Lyondell	20.40	2.79
BYK-190	Dispersant, Byk Chemie	15.30	1.73
<i>Add the pigments while mixing</i>			
Mica WG-325	Wet Ground Mica, Oglebay Norton Minerals	7.80	0.33
Bartex #65	Barium Sulfate, Hitox	65.00	1.79
Bayferrox 130M	Red Iron Oxide, Bayer	65.00	1.56
Zeeosphere 400	Ceramic Microspheres, 3M	65.00	3.25
10 ES Wollastocoat	Calcium Metasilicate, NYCO	98.00	4.05
SW-111	Corrosion Inhibiting Pigment, HALOX	88.00	3.68
<i>High speed disperse to Hegman 6. Caution: Add the following at slow speed. Do not exceed 40 °C (104 °F)</i>			
Beckopox® EP385w	Epoxy Dispersions, Solutia	507.20	55.86
SUBTOTAL		1033.80	87.50
Part B:			
Beckopox® VEH 2106w	Epoxy Dispersions, Solutia	40.50	4.50
Deionized Water		66.66	8.00
<i>Do not exceed 40 °C (104 °F) while mixing</i>			
SUBTOTAL		107.16	12.50
TOTAL		1140.96	100.00

Properties	
Mix Ratio (by weight)	100:10.4
Mix Ratio (by Volume)	7:1
Pot-Life (hours)	4
% Weight Solids	62.4
% Volume Solids	47.6
PVC	30.8
VOC (g/l)	112
pH	9-10
Viscosity-Stormer (Krebs Units)	85
Sag Resistance (mils)	14
Cross Hatch Adhesion	5B
Pencil Hardness (7 days)	HB-F
MEK D. Rub	65
Impact (In-lbs)	120
<i>Drying Time (ASTM D1640) at 3 mil DFT:</i>	
Dry to Touch	15 Minutes
Dry Hard	4 Hours
Dry Through	6 Hours
<i>Recoat Time:</i>	
Waterborne	4-8 Hours
Solventborne	16-24 Hours

Corrosion Resistance:

3-4 mil DFT on sand (or equivalent) blasted hot rolled steel or 2 mil DFT on Bonderite 1000 panels tested after 7 Days Ambient cure:

Salt Fog (ASTM B 117)
2000 hours

Prohesion (ASTM G85)
2000 hours

Humidity (ASTM D 4585)
2000 hours

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