



PolyVers International  
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## **Material Processing & Handling Information**

**Material:** AquaVers 20

**Material Type:** Concrete or Metal Primer/Sealer

**Application:** Concrete or Masonry Substrates/Potable Water Systems

**Application Process:** Spray, squeegee, soft woven roller or soft nylon brush.

<b>Process Equipment:</b>	<b>Pump Capacity</b>	<b>Dispensing Gun</b>
<b>Airless:</b>	.33 gpm (min.)	FTX or Contractor Gun w/ ¼" hose
<b>Tip Size</b>	0.013 – 0.019	Pump Pressure – dependent upon tip and equipment
<b>Process Temperature:</b>	Ambient	
<b>Mix Ratio:</b>	1:1	
<b>Mix Instructions:</b>	Mix 1 part 'A', to 1 part 'B'. <b>AquaVers 20</b> may be mixed as a 1:1:1 blend with acetone to reduce viscosity and extend working time. Apply at a uniform rate using airless sprayer, squeegee or roller. Areas with excessive primer absorption should be recoated until uniform film coverage is achieved. Back rolling wet primer with roller will help reduce pinholes and avoid ponding of the primer. Mixed material has a working time of 45 minutes. Do not add <i>cabosil</i> or <i>silica fume</i> as they will adversely affect the performance.	
<b>Moisture Content:</b>	Concrete and masonry surfaces must be dry. Maximum 5% (using Tramex Concrete Moisture Meter)	
<b>Application Temperature:</b>	20°F and higher.  Note that <b>AquaVers 20</b> will cure at these temperatures, but cure times will be extended with colder temperatures. Frozen concrete substrates with high moisture content will affect coating adhesion and long-term performance.	
<b>Dew Point:</b>	Substrate temperature must be 5°F above dew point and rising before application of coating materials.	
<b>Surface Prep:</b>	Prior to application of <b>AquaVers 20</b> primer insure that all concrete surfaces are prepared to SSPC SP13/NACE No. 6, Surface Preparation of Concrete standard.	

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**Surface contaminants:** Check for soluble salts on surfaces to be coated. Test with Chlor\*Test. If amount of soluble salts exceeds recommended limits, treat with Chlor\*Rid. Repeat process until acceptable limits are reached.

Maximum amounts of soluble salts (micrograms per square centimeter):  
 Chlorides - 3 immersion, 7 non-immersion  
 Nitrates - 5 immersion, 10 non-immersion  
 Sulfates - 10 immersion, 20 non-immersion

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**Adhesion Testing:** Adhesion to concrete: Minimum 150 psi.

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**Application:** Apply in one or two coats as required using spray, squeegee, roller or brush. Re-apply thin coat of primer at half original coverage rate if open time exceeds 72 hours. **AquaVers 20** may be tacky dry before topcoating (tacky but not wet), 1 - 4 hours depending on temperature, humidity and ventilation. Allow primer to properly cure prior to topcoating.

Finished result of applied primer should resemble a sealed/low sheen look. Any dulled down areas should be re-applied with primer.

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**Application Rate:** Spray, squeegee or roll primer at 150 to 400 square feet per gallon over surfaces to receive coating system. Coverage rates will vary depending on porosity of substrate.

**Coverage Rates-** Theoretical Square Feet Per Gallon. \*Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

Mils	10	15	50	60	80	100	125
Sq. Ft.	160	107	32	27	20	16	13

	Storage Temp	Storage	Special Handling
<b>A Side</b>	50°F min 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.
<b>B Side</b>	50°F min 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.

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**Safety:** Please consult product MSDS for full details.

Safety glasses, rubber gloves, protective clothing, organic vapor or fresh air respirator.

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