



VersaFlex Incorporated
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Material Processing & Handling Information

Material: VF 20

Material Type: Concrete Primer/Sealer

Application: Concrete/Masonry Substrates

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

Process Equipment:	Pump Capacity	Dispensing Gun
Airless:	.33 gpm (min.)	FTX or Contractor Gun w/ ¼" hose
Tip Size	0.013 – 0.019	Pump Pressure – dependent upon tip and equipment
Process Temperature:	Ambient	
Mix Ratio:	1:1	
Mix Instructions:	Mix 1 part 'A', to 1 part 'B'. VF 20 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.	
Moisture Content:	Concrete and masonry surfaces must be dry. Maximum 5% as per ASTM F2170 & ASTM F2420	
Application Temperature:	20°F and higher. Note that VF 20 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.	
Dew Point:	Substrate temperature must be 5°F above dew point and rising before application of coating materials.	
Surface Prep:	Prior to application of VF 20 primer insure that all concrete surfaces are prepared to SSPC SP13/NACE No. 6, Surface Preparation of Concrete standard.	

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

Adhesion Testing: Adhesion to concrete: Minimum 150 psi.

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 recoat window exceeds 72 hours. VF 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 and ensure surface is clean, dry and free of contaminants 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.

Application Rate: Spray, squeegee or roll primer over surfaces to receive coating system. Coverage rates will vary depending on porosity of substrate. Apply at 6 – 10 wet mils, approximately 160 – 260 square feet per gallon.

	Storage Temp	Storage	Special Handling
A Side	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 Side	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.

Safety: Please consult product MSDS for full details.

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