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Material Processing & Handling Information

Material: **VF 15**

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:	1:1:1
Mix Instructions:	Mix 1 part 'A' to 1 part 'acetone'. Add the mixture to 1 part 'B' and mix together thoroughly. It is necessary for **VF 15** to have the addition of acetone to achieve the stated pot life and reduce the viscosity. 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 15-20 minutes. Do not add *cabosil or silica fume* as they will adversely affect the performance.
Moisture Content:	Concrete and masonry surfaces must be dry. Maximum 5% as per ASTM F2170 & F2420.
Application Temperature:	20°F and higher. Note that **VF 15** will cure at stated temperatures, but cure times will be extended with cooler 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 15** 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 24 hours. VF 15 may be tacky dry before topcoating (tacky but not wet), 30 minutes to 1 hour 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 dull areas should be re-applied with a light coat of 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	50ºF min. 70ºF optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.
B Side	50ºF min 70ºF 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.