VersaFlex Incorporated
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Material Processing & Handling Information

Material: **AquaVers 415**

Material Type: Fast Set Spray Polyurea Coating

Application: Concrete, Steel/Metal and other substrates

Application Process: High pressure heated equipment with impingement gun

Process Equipment:	**Proportioner**	**Dispensing Gun**
Graco:	EXP-1 (Electric) EXP-2 (Electric) EXP-3 (Pneumatic) H-XP2 (Hydraulic) H-XP3 (Hydraulic)	Fusion AP (Air Purge) Fusion MP (Mechanical Purge) GX-7 Standard (Mechanical Purge) GX-8 (Mechanical Purge) Probler (Air Purge) Probler P2 (Air Purge)
Gusmer:	FF 2500 (Hydraulic) FF 3500 (Hydraulic) H-20/35 (Pro Hydraulic)	GX-7 Standard (Mechanical Purge) GX-7 400 (Mechanical Purge) GX-7 DI (Mechanical Purge) GX-8 (Mechanical Purge) GAP Pro (Air Purge)
GlasCraft:	MX, MXII (Pneumatic) MH, MHII, MHIII (Hydraulic) SuperMaxi, Guardian A Series	Probler (Air Purge) Probler P2 (Air Purge)
Gama:	Evolution G-250H	GDI (Mechanical)
PMC:	PMC GH-40 (Hydraulic)	PMC A-P2 (Air Purge)
Pentech USA:		PalmGun or MG Gun (low output)
WIWA:	DuoMix 460 (Pneumatic)	Pentech MG (Mechanical)
Material Supply Pumps:	**Pump Type**	**Continuous delivery/output at $70^0F/25^0C$**
Graco:	Standard 2:1 (T1)	Up to 1.75 gpm, 9.5 lpm
	Diaphragm:	
	• Husky 515	Up to 5 gpm, 26 lpm
	• Husky 716	Up to 11 gpm, 61 lpm
IPM/Gusmer 2:1 (T2)		Up to 3.85 gpm, 21 lpm
IR/ARO (2:1)	(for fluids <1000 cps)	Up to 1.4 gpm, 7.6 lpm

Process Temperature:	160º F optimum (150ºF min., 170ºF max)
Process Pressure:	2,000 - 2,500 psi optimum (1,700 psi min, 3,500 psi max)
Gel Time:	10 -12 seconds
Tack Free:	~ 2 minutes
Light Traffic:	60 minutes
Moisture Content:	Calcium chloride test: 3 lb/24 hr/1,000 ft^2 5% maximum as per ASTM F2170 & ASTM F2420
Application Temperature:	-40ºF and higher. Note that **AquaVers 415** will cure at sub-freezing temperatures, but the effects from these conditions may impact the application in a variety of ways. It is recommended that material and equipment be kept at 60ºF or above. Frozen concrete substrates with high moisture content will affect coating adhesion and long-term performance.
Dew Point:	Substrate temperature must be 5ºF above dew point and rising before application of coating materials.