



Material Processing & Handling Information – BD Concrete Primer

Material: BD Concrete Primer
Material Type: Concrete Primer
Application: Concrete Substrates
Application Process: Plural Component Spray Pump, Squeegee, Roller, or Brush

Process Equipment:	Pumps	Dispensing Gun
Plural Component:	Any 1:1 ratio pump (no heat required)	Dispense via impingement mix PLUS secondary static mix ¹ ; DO NOT dispense solely via impingement mix
Hand Process:	Rubber squeegee, 3/8" nap roller, or nylon bristle brush	
Mix Ratio:	1:1	
Mix Instructions:	If mixing by hand, pour equal amounts of "B" component into "A" component and mix for at least ten (10) seconds. Mix only as much product as can be placed in three (3) minutes or less.	

Ready for Overcoating	When Tack Free
Moisture Content in Concrete	5% maximum when measured with Tramex-style moisture meter
Application	Carefully pour/dispense primer to properly prepared area. Protect surrounding areas from excess material. Spread as necessary and allow to cure until tack free. Do not apply to non-porous substrates. If applying to areas that are greater than 1.5" in depth, apply in multiple lifts. If material begins to foam once dispensed, indicates presence of moisture during installation and/or was applied too thick. Remove foamed material, allow to dry, and reapply. When used in cold temperature applications, allow longer cure times before overcoating.
Application Rates	130 to 200 ft ² per gallon, depending on the porosity of the concrete and surface profile.

Recommended Equipment Operating Parameters (if spraying)	
A-Side Primary Heat	Do not heat
B-Side Primary Heat	Do not heat
Hose Heat	Do not heat
Minimum Dynamic Pressure	500 psi
Maximum Dynamic Pressure	1,000 psi

¹ Installer shall use static mix adapter tip that is suitable for use with their spray gun. Examples include, but are not limited to, Graco Static Mixer Kit (GC1956) for Graco Probler P2 spray gun or Graco Static Mixer Kit (313122) for Graco Fusion AP spray gun.

Dynamic Pressure Differential	< 10% of dynamic pressure ²
Minimum Inlet Pressure	50 psi
Maximum Dynamic and Static Inlet Pressure	DO NOT exceed 50% of Dynamic Pressure

	Storage Temp	Storage	Special Handling
A-Side:	50°F minimum 70°F optimum 95°F maximum	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 minimum 70°F optimum 95°F maximum	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 SDS for full details. Safety glasses, rubber gloves, protective clothing, organic vapor or fresh air respirator.
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² For example, if dynamic pressure is 500 psi, maximum allowable dynamic pressure differential is 50 psi.

Appendix A – Document Version Control

Version	Date	Author	Rationale	Approval
1.0d	8/31/2023	Jonathan Haydu	First draft	
1.1d	9/6/2023	Jonathan Haydu	Reviewed draft internally, minor updates.	
1.1	9/6/2023	Jonathan Haydu	Issued	Jonathan Haydu James McCarthy