



Material Processing & Handling Information – BD Membrane

- Material:** BD Membrane
- Material Type:** Fast Set Elastomeric Coating
- Application:** Concrete or Metal Substrates
- Application Process:** High Pressure Heated Equipment with Impingement Mix Gun
- Mix Ratio:** 1:1 by volume; DO NOT THIN
- Pre-Warming:** A and B liquid components shall be a minimum of 70°F prior to use

Process Equipment			
Manufacturer	Pumps	Dispensing Gun	
		Air Purge	Mechanical Purge
Graco Reactor ¹ :	E-XP2 (Electric) E-XP3 (Electric) H-XP2 (Hydraulic) H-XP3 (Hydraulic)	Fusion AP Probler P2	Fusion MP GX-7 GX-8
Gusmer:	FF 3500 (Hydraulic) H-20/35 (Pro Hydraulic)	Gap Pro	GX-7 (Standard, 400 & DI) GX-8
GlasCraft:	MX, MXII (Pneumatic) MH, MHII, MHIII (Hydraulic)	Probler Probler P2	
Gama:	Evolution G-25H (Hydraulic) Evolution G-35H (Hydraulic) Evolution G-50H (Hydraulic) G-Connect (Hydraulic) G-Connect+ (Hydraulic)	HT Black Gun Master (I, II, III)	GDI
PMC:	PHX-40 (Hydraulic) PHX-55 (Hydraulic)	AP-2 AP-3 Xtreme Spray Gun	PX-7
Pentech USA:			PalmGun MG Gun
WIWA:	DuoMix 460 (Pneumatic)		PU GUN 4040

Notes & Commentary	
Material Transfer	<ul style="list-style-type: none"> Material supply capacity should be 4x the material output of the selected spray gun configuration. Published output is typically calculated at the transfer pump. Transfer pump efficiency, output and delivered pressure will be reduced depending on material temperature, transfer distance, vertical travel, and “hard” transitions Accumulators may be used

¹ Includes Reactor, Reactor 2, and Reactor 3 Series

General	<ul style="list-style-type: none"> • Processing equipment shall be capable of maintaining set temperatures and pressures at idle and during operation. • Equipment configuration shall be capable of maintaining all recommended equipment operating parameters indicated herein. • Proper equipment selection and maintenance is critical to achieve material properties. • Additional equipment manufacturers and set-ups may be acceptable. Contact PPG Technical Service Department for additional information.
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Recommended Equipment Operating Parameters	
A-Side Primary Heat	160°F (70°C)
B-Side Primary Heat	160°F (70°C)
Hose Heat	160°F (70°C)
Dynamic Pressure	2,000 to 2,500 psi (140-175 Bars)
Dynamic Pressure Differential	< 200 psi (140 Bars)
Minimum Dynamic Inlet Pressure	50 psi (3.4 Bars)
Maximum Dynamic and Static Inlet Pressure	DO NOT exceed 500 psi (35 Bars)

	Storage Temp	Storage	Special Handling
A-Side:	55°F minimum 70°F optimum 95°F maximum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Use dry air desiccant for intake vent on drum.
B-Side:	55°F minimum 70°F optimum 95°F maximum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Mix well with mixer to re-disperse any settled pigment.

Safety:	<p>Please consult product SDS for full details.</p> <p>Safety glasses, rubber gloves, protective clothing, organic vapor or fresh air respirator.</p>
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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