Material Processing & Handling Information – BD Top Coat

Material: **BD Top Coat**

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 (20°C) 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	• 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	• 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.

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 **B**ars)
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 (13°C) min. 70°F (20°C) optimum 95°F (35°C) max.	Keep dry. Keep from freezing. Store in covered, temperature-controlled environment if possible. Please consult product SDS for full details.	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. Please consult product SDS for full details.	Mix well with mixer to re-disperse any settled pigment.

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

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