

NAPCA Bulletin 17-98

FBE Anomalies Trouble-Shooting Guide

NAPCA has produced pictures of different FBE Anomalies commonly found in coating plants. We have also narrowed down the areas where we believe these anomalies may be found. This is a guide to be only used to help locate the source of the anomaly.

The National Association of Pipe Coating Applicators assumes no responsibility for the interpretation or use of this trouble-shooting guide.

FBE Contaminants and Possible Causes

POSSIBLE CAUSES	POSSIBLE CONTAMINANTS IN FBE							
	WATER	OIL	RUBBER	B-STAGED POWDER	IMPACTED POWDER	SILICONE	OTHER CONTAMINANTS	EQUIPMENT
Air Hoists		X						
Air-Lock Seals			X					
Airborne Particles							X	
Airlocks				X	X			
Atmospheric Air	X							
Bearings		X						
Blast Machine Seals			X					
Bugs							X	
Compressed Air Stream - Air Compress	X	X						
Condensation in bin	X							
Condensation in ducting	X							
Conveyor		X		X				
Couplings			X	X				X
POSSIBLE CAUSES	POSSIBLE CONTAMINANTS IN FBE (continued)							
	WATER	OIL	RUBBER	B-STAGED POWDER	IMPACTED POWDER	SILICONE	OTHER CONTAMINANTS	EQUIPMENT

Dust							X	X
Dust Collector				X				
Fog	X							
Forklift		X						
Gaskets - Seals						X		
Heat Affected Powder								
High Humidity moisture in powder booth	X							
High Temp				X				
Hoses					X			
Insulation							X	
Lubricants						X		
Manufacturer					X			
Paint Chips							X	
Pipe Handling Equipment		X		X				
Powder Booth				X				
Powder gun Tips - electrostatic				X				
Powder Guns					X			
Powder gun Tips - Electronic Grease		X						
Powder Pumps					X			
Powder-duct work	X			X				
POSSIBLE CAUSES	POSSIBLE CONTAMINANTS IN FBE (continued)							
	WATER	OIL	RUBBER	B-STAGED POWDER	IMPACTED POWDER	SILICONE	OTHER CONTAMINANTS	EQUIPMENT
Powder-process	X							
Powder-storage	X							
Rain	X							
Release Agents						X		

Rust							X	X
Scale								X
Squeegee			X					
Steam Quench water couplings	X							
Storage - improper				X				
Transfer Systems					X			
Vibratory screener					X			
Wheels			X					