A LIQUIGUARD® Product
protection without pollution

FLEXTHERMACOAT

THERMOLASTIC PROTECTIVE COATING

ASTM D-6083 Test Report

Conducted by Rohm & Haas

Coating ID	**EPC-IE-B1**	**ARM-91-1**	**ASTM D-6083 Requirements**
Initial Viscosity, KU	128	108	85-141 KU
Viscosity, KU after 130 days @ 120°F	127	109	
Initial pH	9	8.9	
pH after 30 days @ 120°F	8.8	8.7	
Mechanical Properties, 75°F, Initial, X-Head Speed = 1.0 inches/minute			
Tensile Strength, max. psi	454	282	200 psi min.
Mechanical Properties, 75°F, 1000 hour weathered,X-Head Speed = 1.0 inches/minute			
Tensile Strength, max. psi	561	397	
Tear Resistance, lb f/in.	120	119	>60 lb f/in.
Adhesion			
PUF, Dry, PLI	5.0	4.1	N/A
PUF, Wet, PLI	2.1	2.4	2.0 PLI min.
Galv. Steel, Dry, PLI	4.7	1.4	N/A
Galv. Steel, Wet, PLI	1.4	1.1	2.0 PLI min.
Aluminum, Dry, PLI	4.9	2.5	N/A
Aluminum, Wet, PLI	0.9	1.0	2.0 PLI min.
Concrete, Dry, PLI	4.2	4.2	N/A
Concrete, Wet, PLI	0.8	1.1	2.0 PLI min.

LEGEND:

1. EPC-IE-B1 - EPC Thermacoat thermoplastic coating
2. ARM 91-1 - Rohm & Haas standard elastomeric coating.
3. P U F - Polyurethane Foam
4. P L I - Pounds per linear inch
5. A - Adhesion failure. Fabric and coating pulled away from substrate
6. F - Fabric delamination. Fabric pulled out of the coating while coating remained bonded to the substrate
7. A/F - A combination of both of the above failures