

## Flex-Roof Spec Test Data

Elastomeric Roof Coating (90+% UV Reflectant)

Properties Tested	ASTM	Test Results
Weight/Gallons (lbs.)	D-1475	10.5
Consistency (Stormer KU)	D-562	130KU
pH	E-70	7.0
Total Non-Volatile Solids by Wt.	D-2369	63.7% (Actual)
% N.V. Latex Solids On Total Wt.		24.8% (Calculated)
% Total Solids By Volume		53.4% (Calculated)
Dry-Film Thickness (100 Sq. Ft./Gallon)		7.5 Mils
Dry-To-Touch Time On Metal (72 -74°F)	D-1005	40 Minutes
Dry-Through Time On Metal (35-45% RH)	D-1640	6 Hours
Dry Hard Time On Metal		18 Hours
Mandrel 0°F Flexibility (1 inch Rod)	D-1737	No Cracking of 30 Mil Film
Elongation - Aged 30 Mil	D-2370	106%
Tensile Strength - Dry Films	D-2370	237 PSI
180° Peel Adhesion (Aged Films)	FS (Con-nbs) SEC. 4.310	
Bare Pinewood	T.T.S -00230C Adhesion Peel	4.0 Lbs./Inch
Galvanized Steel (Unweathered)		3.9 Lbs./Inch
Untreated Aluminum		3.5 Lbs./Inch
"Alodine" Treated Aluminum		5.2 Lbs./Inch
Cement/Asbestos Board		2.7 Lbs./Inch
Glass		3.4 Lbs./Inch
Service Temperature - Minimum	D-2485	-15°F
Service Temperature - Maximum		150°F (Continuous) 300°F (Intermittent)
Resistance to Gasoline	D-543	No Change After 24 Hrs.

(No-Lead)		
Resistance to Mineral Spirits	D-543	No Change After 24 Hrs.
Can Stability (2 weeks 120°F)	D-1849	OK
Freeze/Thaw Stability (0°F)	D-2243	5 Cycles Satisfactory
Aluminum Cup Shrinkage (5/8" Deep)	Union Carbide	
(3Week Air-Dry - 72°F)	(G) Bulletin S-42890A	No Center Cracking Or Pulling Away From Sides Of Cup
Accelerated Weathering (QUV Box)	G-53	No Change in 1,000 Hrs.
Resistance to Hydrostatic Pressure (2 Coats On Concrete Block - 4 p.s.i.)		No Failure
Perm Rate	D-1653	15 Mil. 3.0 to 3.5

U.S.D.A. Approved for Walls and Ceilings in Food Processing Plants.  
U.L. 790 Tested. Class A and Class B. See U.L. Classified Building Materials