ALPOLIC Technical Summary

Property Standard PE			Alpolic					
Numinum Skin 0.02	Property	Standard					unit	
Thickness			3 mm	4 mm	6 mm	4 mm	6 mm	
Weight	Aluminum Skin							
Drum Peel	g Thickness		0.5					
Drum Peel	E Weight							lb/ft^2
Drum Peel	Cound Transmission		4.54	5.47	7.32	7.62	10.89	kg/m^2
Drum Peel	Coefficient	ASTM E90	25	26		_	_	dB in/in-°F
Drum Peel	Coefficient of							
Drum Peel	Thermal Expansion							
Smoke Developed Index	Drum Peel	ASTM D1781						lb-in/in N-mm/mm
Flame Spread Index ASTM E84 5	_	ASTM E84					0	<u> </u>
Flash Ignition ASTM D1929		ASTM E84	5	0	0	0	0	_
Temperature ASIM D1929	T31 1 T 141		_	_				°F
Same of the training As in 1963s — CC1	Temperature	ASTM D1929	_	380	380	432.8		°C
Same of the first of the firs	Self Ignition	ASTM D1020	_	752	752	837	837	°F
Same of the training As in 1963s — CC1	2 Temperature		_		400	447.2	447.2	°C
Other Fire Tests	Rate of Burning		_	CC1				_
Other Fire Tests	ISMA Test	UBC 26-9	_	_	<u> </u>	Pass	Pass	_
Other Fire Tests	Potential Heat Release	UBC 17-2	_	_	_	<6000	_	BTU/ft^2
Other Fire Tests	X			0		_		_
Other Fire Tests			Pass	Pass	Pass		Pass	
UL-879			_	_	_	Pass	_	_
NFPA-285					<u> </u>	_	<u> </u>	
Width			Pass	Pass	<u> </u>	Dace*	Dage*	_
Thickness					0.08	1 ass	1 ass	inches
Thickness								mm
Thickness								inches
Thickness								
Post-Consumer Recycled Content 7.4 6.2 4.6 4.4 3.1 Pre-Consumer Recycled Content 58.4 57 55.25 22.7 15.9 Total = 100% Post + 50% Pre 36.6 34.7 32.2 15.76 11.1 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering Pass 8.9 Weathering Pass 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering Pass 8.9 Weathering Pass 8.9 Meathering Pass 8.0 Meathering								inches
Post-Consumer Recycled Content 7.4 6.2 4.6 4.4 3.1 Pre-Consumer Recycled Content 58.4 57 55.25 22.7 15.9 Total = 100% Post + 50% Pre 36.6 34.7 32.2 15.76 11.1 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering Pass 8.9 Weathering Pass 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering					0.2	0.3	mm	
Post-Consumer Recycled Content 7.4 6.2 4.6 4.4 3.1 Pre-Consumer Recycled Content 58.4 57 55.25 22.7 15.9 Total = 100% Post + 50% Pre 36.6 34.7 32.2 15.76 11.1 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering Pass 8.9 Weathering Pass 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering	Bow							%
Post-Consumer Recycled Content 7.4 6.2 4.6 4.4 3.1 Pre-Consumer Recycled Content 58.4 57 55.25 22.7 15.9 Total = 100% Post + 50% Pre 36.6 34.7 32.2 15.76 11.1 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering Pass 8.9 Weathering Pass 8.1 Color Uniformity Pass 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass 8.9 Weathering	Squareness (Diagonal Difference)							inches
Pre-Consumer Recycled Content 58.4 57 55.25 22.7 15.9 Total = 100% Post + 50% Pre 36.6 34.7 32.2 15.76 11.1 8.1 Color Uniformity			7.4	6.2		4.4	3.1	mm %
8.1 Color Uniformity 8.2 Specular Gloss Pass 8.3 Dry Film Hardness 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass	Pre-Consumer Recycled Content							%
8.1 Color Uniformity 8.2 Specular Gloss Pass 8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass	Total = 100% Post + 5							%
8.3 Dry Film Hardness Pass 8.4 Film Adhesion Pass 8.5 Impact Resistance Pass 8.6 Abrasion Resistance Pass 8.7 Chemical Resistance Pass 8.8 Corrosion Resistance Pass Pass Pass Pass Pass Pass Pass Pas	•							_
8.5 Impact Resistance 8.6 Abrasion Resistance 8.7 Chemical Resistance 8.8 Corrosion Resistance 8.9 Weathering Pass Pass Pass Pass Pass	8.2 Specular Gloss							
8.5 Impact Resistance 8.6 Abrasion Resistance 8.7 Chemical Resistance 8.8 Corrosion Resistance 8.9 Weathering Pass Pass Pass Pass Pass	8.3 Dry Film Hardness							
8.5 Impact Resistance 8.6 Abrasion Resistance 8.7 Chemical Resistance 8.8 Corrosion Resistance 8.9 Weathering Pass Pass Pass Pass Pass	5 8.4 Film Adhesion							
8.8 Corrosion Resistance 8.9 Weathering Pass Pass	18 5 Impact Pacietonea							
8.8 Corrosion Resistance 8.9 Weathering Pass Pass	8.6 Abrasion Resistant							
8.9 Weathering Pass	8.8 Corrosion Resistance							
FGD 2504								
Florida FL10520-R3, FL12087-R2, FL17186-R2	TOO TO							
	Florida		·					
Miami-Dade County 14-0610.01***, 14-0610.02***	Miami-Dade County							
City of LA 26029 26008	City of LA							_
Certified: ASTM E119; ASTM	9 B					E84 (2013a); CAN / ULC S102;		_

AAMA 2605 Section	Section Title	ASTM Test Referenced	Test Title
5.3	_	D7091-12	Standard Practice for Nondestructive Measurement Of Dry Film Thickness Of Nonmagnetic Coatings Applied To Ferrous Metals And Nonmagnetic, Non Conductive Coatings Applied To Non-Ferrous Metals
7.2.1	Chemical Conversion Coating Weight Procedure	D5723-95(2010)	Standard Practice for Determination Of Chromium Treatment Weight On Metal Substrates By X-Ray Fluorescence
8.1.2	Color Uniformity Performance	D2244-11	Standard Practice for Calculation Of Color Tolerances And Color Differences From Instrumentally Measured Color Coordinates
8.2.1 8.3.1	Specular Gloss Procedure Dry Film Hardness Procedure	D523-08 D3363-05(2011)e2	Standard Test Method for Specular Gloss Standard Test Method for Film Hardness By Pencil Test
8.3.2	Dry Film Hardness Performance	D3363-05(2011)e2	Standard Test Method for Film Hardness By Pencil Test
8.4.1.2	Film Adhesion Procedure: Tape Pull-Off	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test
8.5.1	Impact Resistance Procedure	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test
8.6.1	Abrasion Resistance Procedure	D968-05(2010)	Standard Test Method for Abrasion Resistance Of Organic Coatings By Falling Abrasive
8.7.2.1	Chemical Resistance: Mortar Resistance Procedure	C207-06(2011)	Standard Specification for Hydrated Lime For Masonry Purposes
8.7.3.2	Chemical Resistance: Nitric Acid Resistance Performance	D2244-11	Standard Practice for Calculation Of Color Tolerances And Color Differences From Instrumentally Measured Color Coordinates
8.7.4.1	Chemical Resistance: Detergent Resistance Procedure	D2248-01a(2007)	Standard Practice for Detergent Resistance Of Organic Finishes
8.7.4.1	Chemical Resistance: Detergent Resistance Procedure	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test
8.8.1.1	Corrosion Resistance: Humidity Resistance Procedure	D2247-11	Standard Practice for Testing Water Resistance Of Coatings In 100% Relative Humidity
8.8.1.1	Corrosion Resistance: Humidity Resistance Procedure	D4585-07	Standard Practice for Testing Water Resistance Of Coatings Using Controlled Condensation
8.8.1.2	Corrosion Resistance: Humidity Resistance Performance	D714-02(2009)	Standard Test Method for Evaluating Degree Of Blistering Of Paints
8.8.2.1	Corrosion Resistance: Cyclic Corrosion Testing Procedure	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test
8.8.2.1	Corrosion Resistance: Cyclic Corrosion Testing Procedure	G85-11	Standard Practice for Modified Salt Spray (Fog) Testing
8.8.2.2	Corrosion Resistance: Cyclic Corrosion Testing Performance	D1654-08	Standard Test Method for Evaluation Of Painted Or Coated Specimens Subjected To Corrosive Environments
8.9.1.1	Weathering: Testing Site and Duration	G7/G7M-13	Standard Practice for Atmospheric Environmental Exposure Testing Of Nonmetallic Materials
8.9.1.2.1	Weathering: Color Retention Performance	D2244-11	Standard Practice for Calculation Of Color Tolerances And Color Differences From Instrumentally Measured Color Coordinates
8.9.1.3.1	Weathering: Chalk Resistance Performance	D4214-07	Standard Test Method for Evaluating The Degree Of Chalking Of Exterior Paint Film
8.9.1.4.1	Weathering: Gloss Retention Procedure	D523-08	Standard Test Method for Specular Gloss
8.9.1.5.1	Weathering: Resistance to Erosion Procedure	B244-09	Standard Test Method for Measurement Of Thickness Of Anodic Coatings On Aluminum Nonconductive Coatings On Nonmagnetic Basis Metals With Eddy Current Instruments
A3.1	_	D7091-12	Standard Practice for Nondestructive Measurement Of Dry Film Thickness Of Nonmagnetic Coatings Applied To Ferrous Metals And Nonmagnetic, Non Conductive Coatings Applied To Non-Ferrous Metals
A5.1.1.1	T-Bend Test for Coating Flexibility	D4145-10	Standard Test Method for Coating Flexibility Of Prepainted Sheet
A5.1.1.5	T-Bend Test for Coating Flexibility	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test
A5.2.1	Impact Resistance: Direct Impact	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test
A5.2.2	Impact Resistance: Reverse Impact	D3359-09e2	Standard Test Method for Measuring Adhesion By Tape Test