

TECHNICAL DATA SHEET

Engineering Properties U.S. and Metric Equivalent

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Reynoplate® is a 3mm sheet of solid aluminum plate.

PROPERTY	UNITS	REYNOPLATE® 3MM MILL FINISH PLATE	REYNOPLATE® 3MM COIL COATED PLATE
THICKNESS	in	0.118	0.118
	mm	3.0 (Nominal)	3.0 (Nominal)
THICKNESS TOLERANCE	in	±0.007	±0.007
	mm	0.18	0.18
AVAILABLE WIDTH	in	50, 62, 72	50, 62
	mm	1270, 1575, 1829	1270, 1575
WIDTH TOLERANCE	in	±0.125	±0.125
	mm	3.18	3.18
LENGTH TOLERANCE	in	-0, +0.25	-0, +0.25
	mm	-0, +6.35	-0, +6.35
WEIGHT	lb/ft ²	1.7	1.7
	kg/m ²	8.3	8.3
ALLOY AND TEMPER	N/A	3003 H16	3003 H16
ALLOWABLE BENDING STRESS	lb/in ²	12,618	12,618
	MPa	87	87
COEFF. OF EXPANSION	in/in/°F	1.28x10 ⁻⁵	1.28x10 ⁻⁵
	mm/mm/°C	2.3x10 ⁻⁵	2.3x10 ⁻⁵
YIELD STRENGTH	lb/in ²	21,030	21,030
	MPa	145	145
MOMENT OF INERTIA (I)	in ⁴ /in	1.44x10 ⁻⁴	1.44x10 ⁻⁴
	cm ⁴ /m	5.9x10 ⁻³	5.9x10 ⁻³
SECTION MODULUS	in ³ /in	2.4x10 ⁻³	2.4x10 ⁻³
	cm ³ /m	0.039	0.039
TENSILE YIELD	lb/in ²	27,000	27,000
	MPa	186	186
BENDING / FOLDING	N/A	Routed grooves should leave 0.032" (0.7mm) of material to achieve 90° folds. Un-routed material should maintain a minimum 2T inner bending radius.	
FINISH / PERFORMANCE	N/A	Mill Finish	Coil Coated with 2 or 3 coat PVDF meets AAMA 2605/2604
COMBUSTIBILITY PERFORMANCE	Passed	Non-Combustible ASTM E136	Non-Combustible / Class A ASTM E136 / ASTM E84

Hoover Architectural Solutions, LLC
50 Industrial Boulevard
Eastman, Georgia 31023-4129

1.800.841.7774
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