



# TECHNICAL INFORMATION

*We Make You Build*

**alfrex**

**ALFLEX TECHNICAL INFORMATION**

# Alflex 3mm Aluminum Plate

COMPOSITION		Alflex 3mm Aluminum Plate
PROPERTY	UNIT	Result
Aluminum Skin	-	3003 H16
Thickness	in	.079" (2mm) / .098" (2.5mm) / .118"(3mm)
Panel Weight	kg/m2	8.1

STANDARD SIZE		Alflex 3mm Aluminum Plate
PROPERTY	UNIT	Result
Standard Widths	in	29.5" (750mm) ~ 50" (1270mm)
Standard Lengths	ft	upon request

TOLERANCES		Alflex 3mm Aluminum Plate
PROPERTY	UNIT	Result
Width	in	+/- .079" (2mm)
Length	in	+/- .157" (4mm)
Thickness	in	+/- .004" (0.1mm)
Squareness	in	+/- .08" (2mm)

TECHNICAL PROPERTIES			Alflex 3mm Aluminum Plate
PROPERTY	ASTM	UNIT	TOTAL THICKNESS (.157")
Yield Strength	E8	MPa	122
Tensile Strength	E8	MPa	146

COATING PROPERTIES		Alflex 3mm Aluminum Plate	
PROPERTY	AAMA	3C3B	2C2B
Specular Gloss		20	28
Pencil Hardness		H	H
Impact Resistance		No errors	No errors
Wear Resistance		µm (2.3)	L/um (1.9)
Hydrochloric Acid Resistance	AAMA 2605-05	"No errors (10% HCl, 15min)"	"No errors (10%HCl, 15min)"
Nitric Acid Resistance		"0.5 (70% HNO3, 30min)"	"0.5 (70% HNO3, 30min)"
Moisture Proof		"NO.10 (Good) (4000hr)"	"NO.10 (Good) (4000hr)"