



TECHNICAL INFORMATION

We Make You Build

alfrex

ALFREX TECHNICAL INFORMATION

Alfrex fr

COMPOSITION		Alfrex fr
PROPERTY	UNIT	TOTAL THICKNESS (.157")
Aluminum Skin	-	3003 H16
Skin Thickness	in	.012" ~ .020"
Core Material	-	Fire rated mineral filled core
Panel Weight	lbs/ft ²	1.5
Specific Gravity (Product)	-	1.83
Specific Gravity (Core Layer)	-	1.52

STANDARD SIZE		Alfrex fr
PROPERTY	UNIT	TOTAL THICKNESS (.157")
Standard Widths	in	40" / 49" / 62"
Standard Lengths	ft	Max. 18'

TOLERANCES		ALFREX
PROPERTY	UNIT	TOTAL THICKNESS (.157")
Width	in	+/- .079"
Length	in	+/- .157"
Thickness	in	+/- .008"
Squareness	in	+/- .08"

TECHNICAL PROPERTIES			ALFREX
PROPERTY	ASTM	UNIT	TOTAL THICKNESS (.157")
Yield Strength	E8	MPa	43
Tensile Strength	E8	MPa	48
Elongation	E8	%	2.4
Flexural Elasticity	C393	GPa	36
Deflection Temperature	D648	F	>428 (More than 220°C)
Oxygen Index	D2863	%	32
Flexural Stiffness	C393	N-m ²	18.2
Core Shear Modulus	C393	MPa	65
Thermal Conductivity	C518	W/(m·K)	0.422

COATING PROPERTIES		ALFREX	
PROPERTY	AAMA	UNIT	TOTAL THICKNESS (.157")
Specular Gloss (60)		-	24
Dry Film Hardness		-	3H
Dry Adhesion		%	0
Wet Adhesion		%	0
Abrasion Resistance		L/μm	2.2
Impact Resistance	AAMA 2605-05	-	No errors
Muriatic Acid Resistance (10% HCl, 15min)		-	No errors
Mortar Resistance		-	No errors
Nitric Acid Resistance (HNO ₃ , 30min)		-	2.7