



TECHNICAL INFORMATION

We Make You Build

alfrex

ALFLEX TECHNICAL INFORMATION

Alflex SCM

COMPOSITION		Alflex SCM
PROPERTY	UNIT	Result
Skin Thickness	in	.012(0.3mm)~.020" (0.5mm)
Core Material	-	Fire rated mineral filled core
Panel Weight	kg/m ²	9.66
Specific Gravity (Product)	-	2.42
Specific Gravity (Core Layer)	-	1.43

STANDARD SIZE		Alflex SCM
PROPERTY	UNIT	Result
Standard Widths	in	40.2"~62" (1020mm~1575mm)
Standard Lengths	ft	Max. 18' (5500mm)

TOLERANCES		Alflex SCM
PROPERTY	UNIT	Result
Width	in	+/- .079" (2mm)
Length	in	+/- .157" (4mm)
Thickness	in	+/- .008" (0.2mm)
Squareness	in	+/- .08" (2mm)

TECHNICAL PROPERTIES			Alflex SCM
PROPERTY	ASTM	UNIT	Result
Yield Strength	E8	MPa	53.5
Tensile Strength	E8	MPa	94.6
Elongation	E8	%	22.3
Flexural Elasticity	C393	GPa	56
Oxygen Index	D2863	%	31
Flexural Stiffness	C393	N-m ²	17
Core Shear Modulus	C393	MPa	74
Thermal Conductivity	C518	W/(m·K)	0.422