

WARM SPRINGS

COMPOSITE PRODUCTS

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Tectonite

Product Features and Specifications

Description

Tectonite is a grey in color mineral based panel that is used in the fire door industry for stiles, rails, blocking and other applications. It is rated up to 90 Minutes to the US Standards, and 120 Minutes to the British Standard.

Specifications

Panel Sizes	4' X 8' & 4' X 10'
Moisture Content	< 6%
Thickness - Max/Min	2.125"/.5" Finished
Density	61-72 Lbs./Cubic Foot
Screw Withdrawal - Face	Exceeds WDMA I.S.-IA
Modulus of Rupture (MOR)	900+ psi
Shrinkage - Average	4.4% (ASTM E C356)
Compressive Strength	1586+ psi

Thermal Conductivity

&

Heat Transfer

Btu-in./hr-ft ² °F		W/m-°C	
946 °F	1.33	204°C	0.089
1632 °F	1.36	430°C	1.129
(ASTM E 152) (°F) Unexposed Surface Rise Above Ambient 1.5" Panel		193°F	

Characteristics

Composition	Reinforced mineral composite
Storage Temperature Range	0-45°C
Storage Humidity Range	20-80% - Keep Dry
Fire Approvals	UL 10(c) (2009)/CAN/ULC S104-10

Benefits

Surface Adhesion	Does not require pre-treatment for bonding.
Heat Transfer	Less heat transfer than comparable products
Density	Less weight compared to competing products.
Stability	Easily surfaced and very stable in a finished door
Tool Wear	Easier to machine and less tool wear than comparable products.

Adhesives

Multiple adhesives are approved, check with Warm Springs for details.

Storage and

Handling

Store horizontally on even surfaces supporting the entire panel.

Use reasonable care in handling and transporting panel.

Availability

Only available from Warm Springs Composites.