

WARM SPRINGS

COMPOSITE PRODUCTS

PO Box 906, Warm Springs, Oregon 97761

(541) 553-1143

WSCP - 412 Fire Core

Product Features and Specifications

Description

Mineral Core is pink in color and manufactured in our plant in Warm Springs Oregon. The product is a rated core for use in 45 Minute, 60 Minute, and 90 Minute fire doors in single swing openings up to 4/0 x 8/0 and up to 8/0 x 8/0 for pair doors. Multi piece core of up to 5 parts are allowed in fire approvals.

Specifications

Moisture Content	< 6%
Maximum Service Temperature	1,900 °F
Thickness/Panel Size	Up To 2.125"/ 34" x 82"
Density	20 +/-2 Lbs./Cubic Foot
Hardness	70-80 Dur. (ASTM D-2440 Type 0)
Ambient MOR/@1900 °F for 12 Hrs.	109.1 psi/29psi
Linear Shrinkage @ 1900 °F for 24 Hrs.	< 1.5%
Compressive Strength at 10% Compression	No Heat - 96.64 psi 24 Hrs. @ 1900°F - 6.52 psi

Thermal Conductivity

Btu-in./hr-ft ² °F		W/m-°C	
400 °F	.62	204°C	0.089
800 °F	.90	430°C	1.129
1,000 °F	1.1	540°C	1.158
1,300 °F	1.31	690°C	1.188
1,500 °F	1.38	801°C	0.198

Characteristics

Composition	Man made vitreous fiber
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	Low dust, does not require pre-treatment for bonding.
Low Density	Very low weight compared to competing products.
Stability	Easy to sand and very stable in a finished door

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 core.

Availability

Only available from Warm Springs Composites.