

# WARM SPRINGS

COMPOSITE PRODUCTS

## FIRE DOOR CORE TECHNICAL DATA SHEET

### COLOR

Pink

### DENSITY

18 lbs./cu. ft.(+/- 2 lbs./cu. ft.)  
288 kg/m<sup>3</sup> (+/- 32 kg/m<sup>3</sup>)

### MATERIAL

Man-made Vitreous Fiber

### MOISTURE CONTENT

< 6%

### HARDNESS

70-80 Durometers (ASTM D-2240 Type O)

### MAXIMUM SERVICE TEMPERATURE

1,900 F (1,040 C)

### THERMAL CONDUCTIVITY

<u>Btu-in./hr-ft<sup>2</sup>-°F</u>	<u>W/m-C</u>
400 F 0.62	204 C 0.089
800 F 0.90	430 C 0.129
1,000 F 1.1	540 C 0.158
1,300 F 1.31	690 C 0.188
1,500 F 1.38	801 C 0.198

LINEAR SHRINKAGE

24 hours @ 1,900 F < 1.5%

COMPRESSIVE STRENGTH @ 10% Compression

No Reheat 96.64 psi (13,916 psf)

24 hours @ 1,900 F 6.52 psi (939 psf)

MODULUS OF RUPTURE

Ambient 109.1 psi

After 12 hour soak @ 1,900 F 29 psi