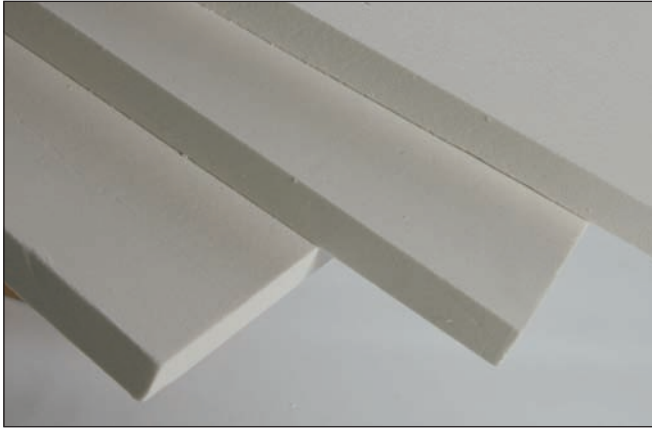


FireMaster® Board



Product Description

FireMaster Board is classified by Underwriters Laboratories under “Mineral and Fiber Boards (BQXR)” in the UL Building Materials Directory, No. R9073. FireMaster Board is manufactured to ensure continued compliance with certification standards.

Installation

FireMaster Board is lightweight and rigid. It cuts easily with no need for special tools. Installation can be performed by a contractor using standard techniques. Contact Thermal Ceramics for installation advice on your application.

Sound Absorption Coefficient, Hz

<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>NCR</u>
0.26	0.41	0.40	0.47	0.58	0.65	0.45

Sound Transmission Class

30

Standard Sizes

Thickness, in (mm)	½ - 2 (12.5 - 51)
Sheet size, in (mm)	12 x 36 (305 x 915)
	24 x 36 (610 x 915)
	48 x 36 (1220 x 915)

Features

- UL-classified, noncombustible material
- Rigid, lightweight
- Good thermal and sound attenuation properties
- Good tensile and compressive strengths
- Resists chemical attack
- Unaffected by oil or water

Applications

- Decking
- Fire doors
- Wall and ceiling applications
- Vaults
- Firestop damming material
- Above ground storage tanks

Physical Characteristics

Color	beige
Density, pcf (kg/m ³)	16 (256)
Melting point, °F (°C)	3200 (1760)
Flamability tst, ASTM E84/UL723	
flame spread	5
smoke development	0
fuel contributed	0
Thermal resistance, R value per ASTM C518	
per inch @ 70°F (per mm @ 21°C)	2.95
Modulus of rupture, psi (kg/cm ²)	90 - 110 (6.3 - 7.7)
Comprehensive strength, psi (kg/cm ²)	
@ 5% deformation	20 - 30 (1.4 - 2.1)
@ 10% deformation	30 - 35 (2.1 - 2.5)

Chemical Analysis

Alumina, Al ₂ O ₃	42
Silica, SiO ₂	56
Others	2

Thermal Conductivity, BTU•in/hr•ft²•°F (w/m•k), ASTM C417-86

@ 100°F (38°C)	0.30 (0.043)
@ 500°F (260°C)	0.46 (0.066)
@ 1000°F (530°C)	0.72 (0.104)
@ 2000°F (1093°C)	1.42 (0.205)

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information. Thermal Ceramics is a trademark of The Morgan Crucible Company plc. FireMaster is a trademark of Thermal Ceramics.