

FUSED SILICA
HOT PRESS PLATENS
CASTABLE CERAMICS
FIRED SHAPES
AEROSPACE TOOLING

Foundry Service & Supplies, Inc.

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HI-TEMP INSULATIONS
CALCIUM SILICATE BOARDS
MILLBOARD AND BLANKET
PAPERS AND CEMENTS
CUTTING AND FABRICATING

ULTRA TEMP II

TECHNICAL DATA

PRODUCT DESCRIPTION

Ultra Temp II is a non-asbestos Glass-Mica, Quartz-Cement refractory reinforced with continuous fibers to increase the toughness, reliability and overall performance of the cement composite. Supplied in sheets, boards, rods and other geometric shapes. **Ultra Temp II** can accommodate high temperature after initial heat conditioning, exhibits non-brittle behavior and can withstand thermal shock and cycling within its specified temperature range. **Ultra Temp II** may be machined with standard tools and yet structurally durable. Thermally and electrically insulating, **Ultra Temp II** is an excellent material choice for virtually any structural application. It is widely used in concert with or as a replacement for dense asbestos products, and where superior structural performance is required.

AVERAGE PHYSICAL PROPERTIES

Typical Composition Glass-Mica, Quartz-Cement

Thermal Conductivity

BTU-(Ft - Ft - °F) 4.0

Density (PCF) 124

Max. Service Temp. (°F) 700

Compressive Strength 15500 @ 80
(PSI @ °F) 10900 @ 560

Electrical Properties

Dielectric Strength Volts/mil 91

Dry Arc Tracking (sec) 360

Vol. Resistivity (OHM-in) 2.54×10^{10}

Water Absorption (%) 15

Moisture 10

Flextural Strength 4100 @ 80
(PSI @ °F) 3300 @ 560

SHEETS SIZE		
Thickness	0.39" to 2"	(MM) 10, 12, 20, 25, 30, 35, 50
Area	3' X 4'	(MM) 910mm x 1200mm

- Other sheet sizes, thickness and geometric shapes are available upon request- please inquire.
- Contact West Coast Supplier & Fabricator.
- Request heat-conditioning instructions.