

3000°F CERAMIC BOARD

Rigid Hi-Temp. Thermal Insulation

Rescor Ceramic Board is made from Asbestos-Free, high purity, refractory fibers.

These high purity fibers have a melting point between 3200°F - 3600°F. They are thoroughly interlaced in the production process and bonded with an inorganic binder.

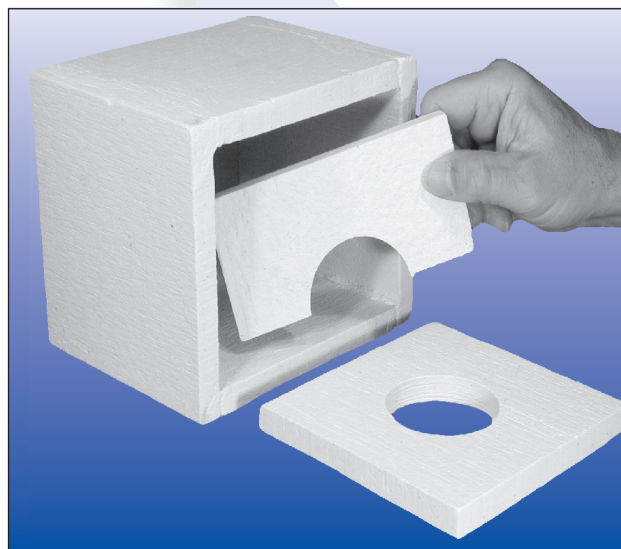
Now, strong, rigid, free standing shapes and parts are easily constructed. Just cut, saw or drill. Parts can be bonded together (if needed) with Resbond™ 901 adhesive (see page 51).

360 Ceramic Board offers excellent thermal shock resistance. It can be heated to 2000°F and cooled in minutes, without cracking.

Resistant to oxidizing and reducing atmospheres, most molten metals, steam, most chemicals and solvents. (Not recommended for use with HF, H₃PO₄ and strong Alkalies.)

Trace organic binders used in processing can be removed by a simple heat treatment, in air, at 800°F if required.

Use Rescor™ 360 for general purpose, 360HS for construction, 360EHS for gaskets and higher strength applications, 360H for 2700°F and 3360UHT for 3000°F applications.



Assembling a High Temp Housing

RESCOR™ DESCRIPTION	360 General Purpose	360HS Hi-Strength Construction	360EHS Extra High Strength	360H High Temp	3360UHT Ultra Hi Temp
Continuous Use Temp (°F)	2300	2300	2300	2700	3100
Melting Point (°F)	3200	3200	3200	3300	3600
Density (lb./ft ³)	16	33	60	15	15
Modules of Rupture (psi)	55	350	700	60	50
Dielectric Constant (@ 10 ⁶ cps)	1.61	1.61	1.61	1.61	1.61
Dielectric Strength (volts/mil)	100	100	100	100	100
Loss Factor	0.017	0.017	0.017	0.017	0.017
Specific Heat (BTU/ # °F)	0.25	0.25	0.25	0.25	0.25
Thermal Conductivity (BTU-in. /Hr. Ft ² °F)					
500°F	0.45	0.55	0.75	0.45	0.45
1000°F	0.70	0.80	0.95	0.70	0.70
1500°F	0.95	1.05	1.00	0.95	0.95
2000°F	1.55	1.75	1.95	1.55	1.55

Applications Include: High temperature free standing shapes, rigid high temp. gaskets and seals, heating element supports, heat shields, high temperature insulation and chemical reactor insulation.

Construction of laboratory, pilot plant and test systems, liquid metal handling, brazing fixture supports, Nominal thickness and sizes are shown below.

Cat. No.	Temp.	Thickness	Size	Sht/Ctn	Price/Ctn
360-1EHS.....	2300°F.....	1/8".....	12" x 24".....	2.....	91.60
360-1.....	2300°F.....	1/4".....	12" x 18".....	4.....	83.96
360-2.....	2300°F.....	1/2".....	18" x 24".....	2.....	111.81
360-5.....	2300°F.....	1".....	18" x 24".....	2.....	189.09
360-2HS.....	2300°F.....	1/2".....	18" x 24".....	2.....	188.55
360-5HS.....	2300°F.....	1".....	18" x 24".....	2.....	276.60
360H-5.....	2700°F.....	1/2".....	18" x 24".....	2.....	234.60
3360UHT-1.....	3100°F.....	1/2".....	18" x 24".....	2.....	446.83
7020-3.....	2300°F.....	11 oz. Caulking and Joint Sealer Putty (see page 51).....			29.78
907GF-6.....	2300°F.....	11 oz. Adhesive Putty (see page 38).....			31.73
901A-1.....	2300°F.....	1 Quart Surface Hardener (see page 50).....			49.34