

COTRONICS®: RESCOR® CERAMIC BOARD

Rescor® Ceramic Board is made from asbestos-free, high purity, refractory fibres. These high purity fibres have a melting point between 1760°C - 1980°C. 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. **360 Ceramic Board** offers excellent thermal shock resistance. It can be heated to 1090°C and cooled in minutes, without cracking. Resistant to oxidizing and reducing atmospheres, most molten metals, steam, most chemicals and solvents. Trace organic binders used in processing can be removed by a simple heat treatment, in air, at 425°C if required.

Use **Rescor® 360** for general purpose, **360HS** for construction, **360EHS** for gaskets and higher strength applications.

APPLICATIONS

- High temperature free standing shapes,
- Rigid high temperature gaskets and seals,
- Heating element supports,
- Heat shields,
- High temperature insulation,
- Chemical reactor insulation.

TECHNICAL DATA

Properties		Units			
Item		360	360HS	360EHS	
Version		General purpose	High strength	Extra high strength	
Melting point	°C	1760	1760	1760	
Continuous temperature	°C	1250	1250	1250	
Density	g/cm ³	0.25	0.53	0.96	
Specific heat	J/kg.K	1050	1050	1050	
Rupture	Kg/cm ²	4	40	80	
Dielectric constant μ_0 at 100 MHz		1.61	1.61	1.61	
Loss factor		0.017	0.017	0.017	
Dielectric strength	V/mm	100	100	100	
Thermal conductivity	500°C	W/m.K	0.06	0.08	0.11
	540°C	W/m.K	0.10	0.11	0.14
	815°C	W/m.K	0.14	0.15	0.45
	1100°C	W/m.K	0.22	0.25	0.27

For pricing information or general queries, please email: info@final-materials.com