

RESCOR® 360M AND 3360M

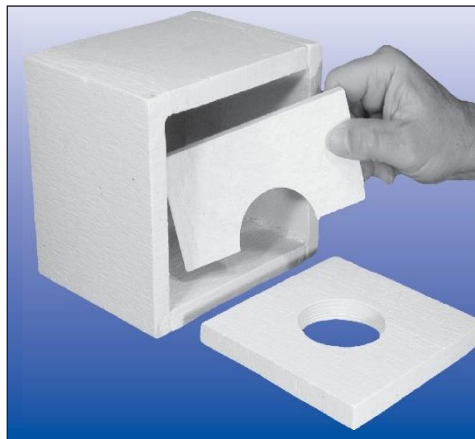
Mouldable and machinable ceramic board

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. Parts can be bonded together with **Resbond® 901** adhesive.

Rescor® 360 Ceramic Board offers excellent thermal shock resistance. It can be heated to 1900°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.

Rescor® 3360M is a very pure putty, this will be used as the previous one. The additives will be the **3901A** binder to reduce its porosity and the **3901** to preserve its thermal qualities.

Use **Rescor® 360** for general purpose and **Rescor® 3360M** for 1650°C applications.



Assembling a high temp. housing

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.

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

Properties	Units	Rescor® 360M	Rescor® 3360M
Melting Point	°C	1760	1870
Continuous temperature	°C	1260	1650
Density	g/cm ³	0.64	0.64
Specific Heat	J/kg.K	1000	1050
Modules of rupture	kg/cm ²	56	49
Loss Factor		0.017	0.017
Dielectric Constant	μ_0 at 100MHz	1.61	1.61
Dielectric Strength	kV/mm	3.9	3.9
Thermal Conductivity	W/m.K		
	260°C	0.09	0.09
	538°C	0.15	0.15
	815°C	0.21	0.21
	1100°C	0.25	0.25
Shrinkage	%	2	2
Colour		White	White
Life Time	months	6	6

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