

RESCOR™ CER- CAST CERAMICS

Easy to use, Economical, Fast Setting and High Strength

Fused Silica - Zirconium Oxide - Silicon Carbide - Alumina

Rescor Castable Ceramics are available in 6 refractory compositions offering the ultimate selection of ceramics to the materials engineer.

Select from: Fused Silica - Zirconium Oxide - Silicon Carbide Alumina and Low density Ceramic Foam.

Now, an unlimited number of high temperature applications, requiring custom ceramic shapes, can be easily solved.

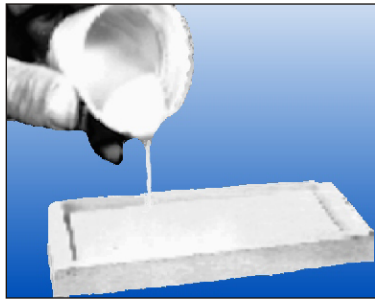
Just mix the ceramic powders with their liquid activators and pour into any non-absorbent molds.

Rescor Castable Ceramics harden overnight to produce highly detailed ceramics, usable to 4000 °F.

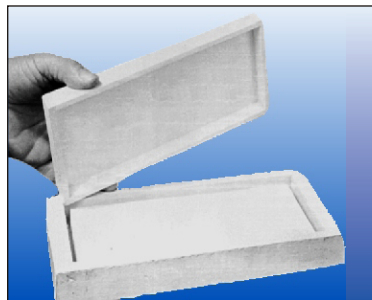
They offer excellent resistance to high temperature, thermal shock, molten metals, oxidizing and reducing atmospheres, erosion, most acids and alkalis.



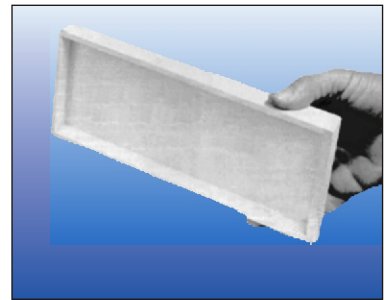
Casting an Alumina Furnace Tray



Pouring Rescor



Demolding



Alumina Furnace Tray

APPLICATIONS

General Applications

- Electronics, thin film processing, coating, lighting, etc.
- Encapsulating, potting materials, resistors, wire winding forms, special applications
- Furnace parts, insulators, stand offs, burners, coil forms, ignitions, feed thrus, etc.
- Welding, soldering, brazing, etc.
- Processing, hot forming, glassing, sintering, etc.
- Welding nozzles, fixtures, jigs, etc.
- High temperature chemical reactors, furnace lining, corrosive atmospheres liners, cyclones, regenerators, incinerators, etc.
- Melting crucibles, nozzles, funnels, permanent casting molds, casting inserts, etc.

Users Report:

- Rescor 740 was used to cast cylindrical rings, 24" dia. x 2.5" high. They were machined to form precision thermally and electrical insulating rings for a casting furnace.
- Rescor 750 easily cast 2000 pound molds measuring 6 ft. in length to be used for forming and curing composite materials.
- Rescor 780 moldings were used for quick tooling when casting White Metal bumper parts for automotive applications. Standard tooling would have delayed product introduction by many months.
- Rescor Castable Ceramics will satisfy many advanced requirements. They are ideal for "in house" fabrication of high strength parts and prototypes.

A twenty minute instructional video tape demonstrating the complete mold making and the casting process is now available. (Cat. No. 700-SV-1)



COTRONICS CORPORATION

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