

PRECISION MOLD MAKING MATERIAL

REPLICAST 101

Just Mix, Pour and Cure at Room Temp.
No Vacuum Degassing Required



**Pouring Replicast
Around a Model**



**Replicast Mold
Ready For Casting**

| Replicast 101 | |
|---------------------------------|-----------------|
| Max Service Temp. °F | 200 |
| Density (gm/ cc) | 1.39 |
| Viscosity (cps) | 4000 |
| Hardness (Shore "A") | 40 |
| Tensile Strength (psi) | 700 |
| Tear Strength (psi) | 90 |
| Shrinkage % | 0.05 |
| Elongation % | 700 |
| Dielectric Strength (volts/mil) | 200 |
| Volume Resistivity (ohm-cm) | 10 ⁹ |
| Porosity | 0.0 |
| Color | Tan |
| Components | 2 |
| Cure Hrs (@ R.T.) | 8 -16 |

Low cost, highly detailed, precision molds are easily produced with this simple mix and pour process.

Replicast 101 is non-toxic and virtually odor free.

No more vacuum degassing.

Just mix and pour.

Replicast 101 cures at room temperature.

Forms flexible, durable molds with high tear strength, dimensional stability, abrasion resistance and excellent mold life.

Ideal for mold making, tooling, components, coatings, seals, gaskets, tools, shock resistant parts, rollers, etc.

Use Replicast 101 with all of Cotronics' Ceramic and Epoxy Materials, Gypsum, Urethane, and Polyester Resins.

Users Report:

- Molds lasted for thousands of cycles when used to cast an intricate High Alumina welding and positioning fixture.
- Soft Rubber like parts and forms were easily cast to replace custom molded parts, eliminating costly time delays.

Instructional CD

Describes Complete Casting Process

This new, instructional CD completely describes the casting process.

Ideal for learning how to properly make a mold in Replicast 101 and a ceramic part in Cotronics' Rescor Castable Ceramics. (See pages 22, 23 for data on Rescor Castable Ceramics.)

REPLICAST 101

No-VOC'S - Non-Toxic - Non-CFC
Non - Combustable

| Replicast | 101MR | 102MR | 103MR |
|--------------------|-----------|--------|------------|
| Max Temp. °F | 625 | 100 | 150 |
| Form | Spray Can | Paste | Pump Spray |
| Viscosity (cps) | 500 | 25,000 | 200 |
| Porosity | 0.0 | 0.0 | 0.0 |
| Color | Clear | White | Clear |
| Components | 1 | 1 | 1 |
| Cure Mins (@ R.T.) | 10-20 | N/A | 15-20 |
| Package | 18 oz. | 1 Pint | 16 oz. |

Replicast 101 MR mold release is a non-greasy, non oily, film forming compound that can be used to 550°F.

Just spray on a lite coat.

Dries in minutes.

A super thin coating of 0.001 inch is all that is required even for the most demanding applications.

This ultra thin film allows for exceptional accuracy including the finest details of your parts.

Replicast 101 MR dries quickly for production applications.

Use with most Epoxies, Urethane, Ceramics and Heat Curing Systems.

101 MR should be used when casting molds with Replicast 101 Liquid Rubber insuring the finest details.

Replicast 102 MR is a smooth creamy paste for use with ceramics. Just wipe on a thin layer. Ideal for large castings.

Replicast 103 MR is specially designed for use when casting ceramics. Creates a smooth surface in the final ceramic parts.

Not for use with Epoxies.

Availability

| Cat No. | Size |
|-------------------------------|---------------------------------------|
| Replicast 101-1 | 1 Gallon Kit |
| Replicast 101 MR | 12 oz. Can Mold Release |
| Replicast 101 MR-CP | Case pack 12 - Cans |
| Replicast 102 MR | Mold Release Grease Pint |
| Replicast 103 MR | Mold Release (Pump-Spray-On) 16 oz |
| 700-CD1 | Ceramic Casting CD |

