

# HI-TEMP SEALANTS AND BINDERS

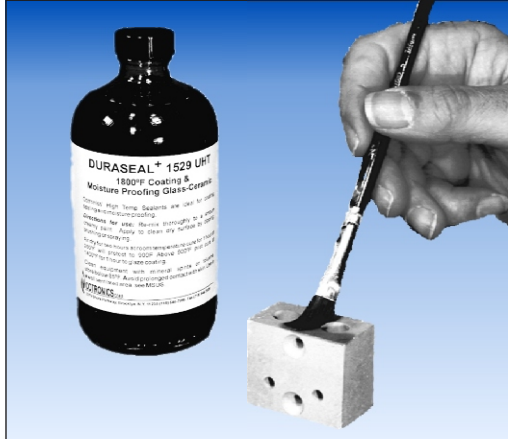
## Duraseal™ High Temperature Sealant Binders

Ideal for waterproofing, sealing, impregnating and coating.

Duraseal High Temperature sealants are based on organic-inorganic formulations and can be used up to 1800°F.

DURASEAL+ will increase the dielectric properties, moisture proof, and seal ceramics, thermocouples, cartridge heaters ends, etc.

Waterproofs Cotronics' ceramic fiber products, high temperature gaskets, sleeving and tapes.



**Duraseal 1529 Moisture-Proofs Porous Ceramic Components**

### Duraseal+ 1529 and 1529H 600-800°F

Low viscosity liquid sealants that will readily penetrate porous surfaces and cure at 350°F.

### Duraseal+ 1529 FS 900°F

A medium viscosity sealant and coating for porous surfaces. Usable up to 900°F.

### Duraseal+ 1529 UHT 1800°F

Now, for the first time, a silicone is combined with glass, which by a unique synergistic reaction forms a composite that will moisture-proof from room temp. to 1800°F.

1529 UHT dries at 250°F and glazes at 1200°F - 1400°F forming a surface for higher temperature applications.

DURASEAL+ BASE	1529 Silicone	1529H Catalyzed Silicone	1529FS Catalyzed Silicone	1529UHT Silicone/Glass Composite
Use Temp. °F	600	750	900	1800
Dielectric Strength v/mil	300	300	325	800
Color	Clear	Clear	Clear	White
Moisture	Excellent	Excellent	Excellent	Excellent
Chemicals	Good	Good	Good	Excellent
Cure Temp. °F	350	350	400	425 & Glaze @1100-1400
Pints				
Quarts				
Gallons				
Thinner Pints				

## Resbond™ Ceramic Binders

Now, Resbond Ceramic Binders can be mixed with any specialty powder or fiber filler to form adhesives with unique combinations of electrical, mechanical or metallurgical properties.

They offer excellent adhesion to ceramic and metallic powders, fibers, flakes, etc. and are the ideal carrier to use for the preparation of adhesives, coatings and solid bodies.

Resbond binders are completely inorganic and safe to use.

Simply select the grade that is compatible with your choice of

metals, ceramics, oxides, intermetallic, inorganic compounds, mix and cure.

Resbond Ceramic Binders form high temperature, strong, durable bonds, coatings, adhesives in your own facility.

**Applications include:** coating composites, impregnating refractory materials, forming strong resistant adhesive bonds, ceramic potting compounds, and slurries, etc.

Resbond Ceramic Binders are ideal for use in any electronic, metallurgical, instrumentation, research or development facility.

RESBOND Composition	791 Silicate Glass	792 Silicate Glass	793 Silica Oxide	794 Alumina Glass	795 Alumina Oxide	797 Alumina Silica
Applications	Adhesives Coatings Versatile	Adhesives Coatings Electronics	Bonds Fibrous Materials	Bonds Non-Porous Materials	Hi-Purity Binder 99% Alumina	Sealer Binder Coating
pH	Mild Basic	Mild Basic	Mild Basic	Acidic	Mild Acidic	Mild Basic
Max. Temp. °F*	3000	3000	3200	3000	3400	2800
Viscosity (cps)	1500	150	50	1200	500	2500
Density (gm/ cc)	1.40	1.20	1.42	1.45	1.40	1.45
Cure (Hrs.)	24	24	24	2	2	2
Cycle °F	16 hrs. @ R.T. or 2 hrs. @ 250°F	16 hrs. @ R.T. or 2 hrs. @ 250°F	2 hrs. @ R.T. or 2 hrs @350°F	2 hrs. @175°F and 2 hrs. @ 600°F	2 hrs. @ 200°F and 2 hrs @ 350°F	16 hrs. @ R.T. or 2 hrs. @ 250°F
Pint						
Quart						

