

## OFFICE PACK

Contents:

2 Operator Trays

Each Tray Contains:

5 x 0.3g Syringes and 1 Application Pad



I N S T R U C T I O N S

Europe Patent #0 219 058 and U.S. Patent #4,872,936

CE 0482

## Ionosit chemistry produces extraordinary results.

### INDICATIONS:

- To prevent micro-leakage
- As bonding liner for composite, amalgam and porcelain restorations
- To eliminate undercuts in an inlay/onlay preparation

### ADVANTAGES:

- Single-component, no-mix, light-cured formula
- Bonds to both composite material and dentin
- Prevents micro-leakage
- Prevents recurrent decay, thermal sensitivity
- Light cures to provide unlimited working time for quadrant dentistry
- Bacteriostatic, continues to release zinc and fluoride ions even after polymerization
- Excellent biocompatibility with dentin and pulp
- High mechanical strength so restorative material will not weaken

### SPECIFICATIONS:

#### Chemistry

- Composition - Polymethacryl polycarbonic acid (4%), PAA (7%), BIS-GMA (8%)
- Triethylenglycoldimethacrylate (6%), Amine/Campherquinone catalyst (1%)
- Ionomer cement filler (50%)
- Barium glass/SiO<sub>2</sub> (24%)

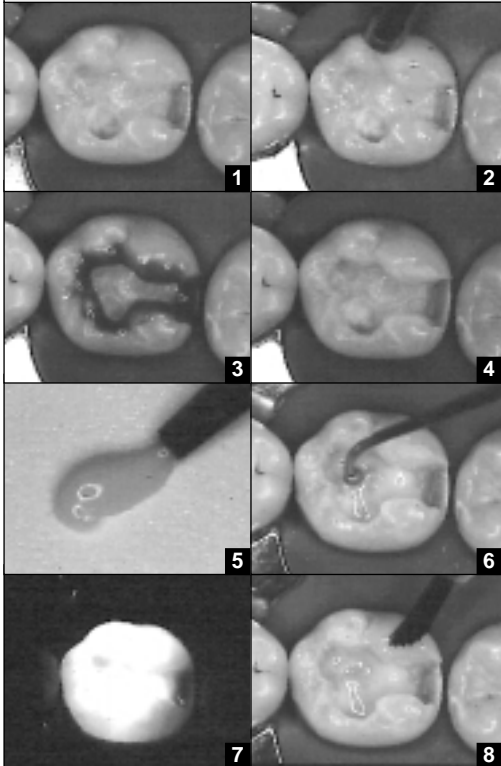
#### Physical Properties

- Diametral tensile strength: 6,364 Psi
- Compressive strength: 35,520 Psi
- Linear Expansion capacity: 1-2%
- Depth of cure (40 sec. light cure): 4mm



## Instructions:

Single-component, no-mix formula makes MicroSpand easy to use, virtually mistake-proof.



### COMPOSITE RESTORATIONS

- Isolate prepared teeth (Fig. 1) and air dry gently (Fig. 2).
- Etch enamel surfaces (Fig. 3) and rinse thoroughly (Fig. 4).
- Extrude MicroSpand on to coated pad (Fig. 5).
- Apply MicroSpand to all exposed dentinal surfaces, (Fig. 6).
- Light cure 40 seconds (Fig. 7).
- Apply bonding system to enamel. Light cure. Continue with layers of composite until cavity is filled (Fig. 8).

### AMALGAM RESTORATIONS

- Isolate prepared teeth and air dry gently.
- Extrude MicroSpand on to coated pad.
- Apply MicroSpand to all exposed dentinal surfaces.
- Light cure 40 seconds.
- Fill remaining cavity with amalgam.

## Shelflife

3 years when stored at 23°C (74°F). Refrigeration will prolong the shelflife.

## Precautions

Store away from heat. Since Ionosit is light sensitive, immediately replace cap after using.

## Caution

U.S. Federal Law restricts this material to sale by or on the order of a dentist. For questions or comments in the USA, please call toll-free (800) 662-6383. No person is authorized to provide any information which deviates from the information provided in this instruction sheet.

<b>Material Safety Data Sheet</b> May be used to comply with OSHA Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.		<b>U.S. Department of Labor</b> Occupational Safety and Health Administration Room-Manufacturing Family Form Approved OMB No. 1218-0072	
<b>Section I - Identity</b> (As Used on Label and Label) <b>Ionosit Baseline</b>		Risk: Blank spaces are not permitted. If any item is not applicable information is available, the space must be marked to indicate.	
<b>Section II - Hazardous Ingredients/Identify Information</b>		<b>Section V - Reactivity Data</b>	
Hazardous Components (Specific Chemical Identity, Common Name(s))		Stability	
Triethyleneglykoldimethacrylate		Unstable States	
Bisphenol-A-glycidylidimethacrylate		Solids	
Dimethylbutylaniine		X Conditions to Avoid Sunlight, heat	
		Incompatibility (Reactions to Avoid)	
		Strong acids	
		Hazardous Decomposition or Byproducts	
		not known	
		Hazardous Polymerization	
		X Conditions to Avoid Exposure to light, heat, contamination	
		May Occur With	
		Will Not Occur	
<b>Section III - Physical/Chemical Characteristics</b>		<b>Section VI - Health Hazard Data</b>	
Boiling Point		Reactivity of Entry	
above 150°C (0.15 mm Hg)		Initiation? No	
Vapor Pressure(mm Hg)		Skin? Yes	
NE		Ingestion? No	
Vapor Density (AIR = 1)		Health Hazards (Acute and Chronic)	
NE		Prolonged overdose can cause dyspepsia, nausea, vertigo.	
Solubility in Water		allergic reactions to methacrylates are possible	
Neghlybie		Chemical Reactions	
Appearance and Odor		None	
yellow paste; nearly odorless		None	
<b>Section IV - Fire and Explosion Hazard Data</b>		Signs and Symptoms of Exposure	
Flash Point (method Used)		dyspepsia, nausea, vertigo. In case of allergic reactions typical	
above 115°C		signs and symptoms of allergies	
Extinguishing Media		Generally Aggravated by Exposure	
carbon dioxide, sand, dry chemical		allergies to methacrylates	
Special Fire Fighting Procedures		Emergency and First Aid Procedures	
light like fuel oil fire		Skin contact: wash with soap and water.	
Unusual Fire and Explosion Hazards		Eye contact: rinse with water, consult a physician	
none		None	
<b>Section VII - Precautions for Safe Handling and Use</b>		<b>Section VIII - Control Measures</b>	
Steps to be Taken in Case of Release or Spill		Respiratory Protection (Specify Type)	
None		None	
Steps to be Taken in Case of Accidental Ingestion or Inhalation		Ventilation	
None		Local Exhaust	
Steps to be Taken in Case of Accidental Contact with Skin or Eyes		Mechanical (General)	
None		Other	
Steps to be Taken in Case of Accidental Contact with Clothing		Eye Protection	
None		Eye Protection	
Other Protective Clothing or Equipment		Other Protective Clothing or Equipment	
None		None	
Work Hygiene Practices		Work Hygiene Practices	
Use according to directions		Use according to directions	

(Reproduce locally)

## MicroSpand



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