

## **INSTRUCTIONS**

### **ALPHASEAL UNIVERSAL CAVITY LINER With Fluoride Light-Cured**

**Kit Contains**  
12 g of Liner  
in Dentin Shade  
Instructions

#### **GENERAL INFORMATION**

Alphaseal is a visible light cured cavity liner. It has a light paste consistency to facilitate the application. This material consists of a biocompatible resin, filled with hydroxyapatite, barium sulfate, and fluoride salts. Alphaseal is compatible with all commercially available restorative materials and cements. When used under water-based cements, however, wiping the surface of cured Alphaseal with a cotton pledget moistened with alcohol is recommended, in order to remove any traces of uncured resin. Alphaseal should be applied over conventional self-cured dental bases in case of direct pulp exposure.

#### **INSTRUCTIONS FOR USE**

1. Prepare the cavity in the conventional manner.
2. Rinse the cavity and dry.
3. Dispense Alphaseal onto a pad. After dispensing, slightly pull back the syringe plunger to reverse flow.  
CAUTION: shield the dispensed material from bright light before use.
4. Apply the material with a ballpoint applicator to provide a first coating of no more than 0.3-0.5mm thick. Remove any material inadvertently applied over enamel margins.
5. Cure for 20 seconds (30 seconds if the light is lower intensity), keeping the tip as close to the cured surface as possible.
6. Apply a second layer, if indicated. The second layer can be up to 1.5mm thick. Cure for 30 seconds.

#### **STORAGE**

Store at temperatures below 82°F/28°C. DO NOT FREEZE.

WARNING: Avoid prolonged contact of uncured Alphaseal with skin or gingivae.

Wash thoroughly if such contact occurs.

**Dent Zar Inc.**  
**19643 TruII Brook Dr.**  
**Tarzana, CA 91356 USA**  
**Toll Free: 800-444-1241**

<b>PRODUCT:</b> Alphaseal	<b>ISSUED DATE:</b> November 4, 1999
<b>SECTION 1. Product and Company Identification</b>	
<b>PRODUCT NAME:</b> Alphaseal-Light Cure Cavity Liner	
<b>COMMON OR CHEMICAL NAME:</b> Cavity Liner.	
DENT ZAR, INC. 19643 Trull Brook Dr Tarzana, California, 191356 USA	
<b>SECTION 2. Composition/Information on Ingredients</b>	
<b>Product Contents:</b> Cavity Liner	
<b>Components Containing Hazardous Ingredients:</b> None Listed	
<b>SECTION 3. Hazards Identification</b>	
For potential health hazards: See Section 11 below	
<b>SECTION 4. First Aid Measures</b>	
<b>Inhalation:</b> No harm anticipated from materials in quantities as packaged.	
<b>Skin Contact:</b> Wash with soap and water.	
<b>Eye Contact:</b> Flush with copious amounts of water	
<b>Ingestion:</b> Acute toxic effects are not likely. Induce vomiting if large amount of material is swallowed.	
<b>SECTION 5. Fire Fighting Measures</b>	
<b>Suitable Extinguishing Media:</b> Water spray, foam, CO <sup>2</sup> are acceptable	
<b>Extinguishing Media which should not be used:</b> None	
<b>Special Exposure Hazards From Combustion Products:</b> None in quantities as packaged	
<b>Special Protective Equipment for Fire-Fighters:</b> None	
<b>SECTION 6. Accidental Release Measures</b>	
<b>Personal Precautions:</b> Avoid contact of skin or eyes. Wash hands with soap and water if contact occurs.	
<b>Environmental Precautions:</b> Dispose of in accordance to all federal, state, local regulations.	
<b>Methods for Cleaning Up:</b> Wipe up with soap, water and paper towels.	
<b>SECTION 7. Handling and Storage</b>	
<b>Handling Precautions:</b> Avoid exposure to moisture and light. Avoid Prolonged exposure to temperatures above 30° C.	
<b>Safe Storage Conditions:</b> Store at temperatures not exceeding 30° C.	
<b>Other Restrictions or Recommendations:</b> Avoid exposure to moisture and light.	
<b>SECTION 8. Exposure Controls/Personal Protection</b>	
<b>Respiratory Protection &amp; Ventilation:</b> Not required.	
<b>Protective Clothing or Equipment:</b> Not required under normal handling.	
<b>Unusual Work/Hygienic Practices:</b> Avoid prolonged skin contact: wash with soap and water.	

<b>SECTION 9. Physical and Chemical Properties</b>
<p><b>Appearance:</b> Light color paste.  <b>Odor:</b> Slight special odor.  <b>PH:</b> N/A  <b>Boiling Point/Range:</b> above 200° C.  <b>Melting Point/ Range:</b> NDA.  <b>Flash Point:</b> above 150° C.  <b>Auto-Ignition Temperature:</b> NDA.  <b>Flammability:</b> No.  <b>Explosive Limits in Air:</b> NDA  <b>Oxidizing Properties:</b> N/A  <b>Vapor Pressure (mm Hg):</b> 30 mm Hg at 20° C (approximately)  <b>Vapor Density (Air=1):</b> &gt;1.  <b>Specific Gravity(H2O=1):</b> NDA  <b>Solubility in Water:</b> Negligible.  <b>Reactivity in Water:</b> Not reactive.  <b>Other Data:</b> None.</p>
<b>SECTION 10. Stability and Reactivity.</b>
<p><b>Stability:</b> Stable.  <b>Conditions of Instability:</b> Avoid Exposure to light and elevated temperatures.  <b>Incompatibility with Various Substances:</b> Free radical initiator (when stored in bulk).  <b>Hazardous Decomposition Products:</b> None.  <b>Hazardous Polymerization:</b> None in quantities as packaged.  <b>Conditions to Avoid:</b> Avoid exposure to light and temperatures above 30° C.</p>
<b>SECTION 11. Toxicological information</b>
<p><b>Potential Acute Health Effects:</b> Possibility of skin irritation or sensitization if not washed off promptly.  <b>Potential Chronic Health Effects:</b> Possibility of skin sensitization or irritation upon prolonged or repeated exposure.  <b>Signs and Symptoms of Exposure:</b> Skin/eye irritation.  <b>Medical Conditions Generally Aggravated by Exposure:</b> None known.  <b>Carcinogenic or Potential Carcinogenic Effects:</b> No ingredient listed as a carcinogen.  <b>Other Potential Health Effects:</b> None known.</p>
<b>SECTION 12. Ecological Information</b>
<p>No ecological damage or impact anticipated upon exposure to the environment in quantities as packaged.</p>
<b>SECTION 13. Disposal Considerations</b>
<p><b>Waste Disposal:</b> Do not dispose into sink. Dispose of in accordance with all federal, state and local regulations.</p>
<b>SECTION 14. Transport Information</b>
<p><b>UN Classification:</b> N/A  <b>Special Provisions for Transport:</b> Avoid elevated temperatures and high intensity light.</p>
<b>Section 15. Other Information</b>
<p>None  <b>References:</b> None.</p>