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**TECHNICAL BULLETIN
INSTRUCTIONS**

ORION

**LIGHT-CURE CORE BUILD-UP MATERIAL
A SINGLE DOSE CAPSULES KIT**

A light-cure restorative for use in the build-up of teeth lacking sufficient coronal structure.

CONTENTS

60x.5g Capsules of Orion L/C Core Build-Up Material
12-g Enamel Conditioner
Accessories & Instructions

INSTRUCTIONS

- The restorative cures with light induced curing mechanism in excess of 10 mm*
- Virtually unlimited working time
- Easy handling; convenient dispensing system
- Moldable, non-sticky, yet adhesive consistency
- Ease of carving and contouring.
- Substantial char-time savings
- Moldable, non-sticky yet adhesive consistency
- Contains moderately hard filler for easier carving and shaping
- Long shelf life at ambient temperatures
- X-ray opaque

***Important: light cure Orion in contrast color cures only 3-4 mm deep**

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DIRECTIONS FOR USE

Light cure Orion may be used with or without pins and posts. The restorative may be applied directly onto the preparation or by using transparent crown forms.

In the majority of restorations, the restorative may be applied in one step. Cure may be accomplished with any dental curing light operating in the visible wavelength range. Depending on the depth of cure and intensity, the necessary curing time may vary from 20-60 seconds. The tip of the light should be placed as close to the restoration as possible and moved slowly around its periphery and over its top.

After the material is cured, it may be trimmed and shaped in the same manner as composite restoratives.

SPECIAL PROCEDURES

When making core build-up restorations on vital teeth, especially in situations involving proximity of the pulp, the use of Alphaseal Light-Cured Cavity Liner is recommended. A thin layer of Alphaseal should be applied over exposed dentin and cured by light for 20 seconds, followed by the application of Light Cure Orion.

The use of Alphaseal is also recommended over decalcified, decay-prone dentin, in order to provide an additional measure of protection against secondary decays. On vital teeth a conventional calcium hydroxide type base should be applied in cases involving direct pulp exposure.

HELPFUL HINTS

The abutment should be dried thoroughly prior to placement of the restorative.

Priming of dentin and enamel prior to placement of core material is optional, though it may be desirable in certain clinical situations.

CHARACTERISTICS OF THE MATERIAL

Compressive Strength	32.260 Psi
Flexural Strength	125 Psi
Water Sorption	5.9 µg/ml
Water Solubility	<0.5 µg/ml
% Filler	84 %
Depth of Cure in Natural Color	10 mm

Notice: L/C Orion is Bis-GMA composite material an ingredient that in some people can cause an allergic reaction or result in skin or tissue irritation. Avoid contact with the core build-up paste. If contact occurs, wash immediately with soap and warm water. Improper use may result in allergic reaction of skin, or tissue irritation, in which case discontinue use of the product.

STORAGE

Store in a cool place at temperatures not exceeding 23°C (73°F). For extended shelf life, store refrigerated. DO NOT FREEZE. When cold, the material has a stiffer consistency. For easier handling, remove from cool storage at least 15 minutes prior to use.