**Description:** Nuance is a light-cured micro hybrid composite resin designed for anterior or posterior restorations. Nuance’s unique formulation helps you create restorations which look like the natural tooth while delivering excellent physical properties with true-shade matching abilities. Nuance is a simple way to create beautiful esthetic restorations.

**CAUTION:** Wear protective gloves while using this product.

**CAUTION:** Wear eye protection while using this product.

**Indications:**

*Nuance Universal Composite* is ideal for the following applications:

- Direct restorations of anterior or posterior teeth (Class I – Class V)
- Diastema closures
- Intraoral repairs of fractured crowns / bridges

**Contraindications:**

Patients allergic or hypersensitive to methacrylate monomers

**Incompatibilities:**

For pulp protection or temporary sealing, do not use materials containing eugenol. Eugenol increases the risk of retarding the bonding system curing process.

**Precautions:**

1. **Material Safety**
   - Patients that have a history of hypersensitivity to methacrylate monomers should avoid the use of this product. If hypersensitivity occurs, discontinue use of the product and consult a physician.
   - Clinician is advised to wear gloves to prevent the occurrence of hypersensitivity.
   - Use caution to prevent the product from coming in contact with skin or eyes.
     - If product gets in the eye, flush with copious amounts of water and consult a physician.
     - If product comes in contact with the skin, immediately wipe with alcohol and rinse with copious amounts of water.
   - Use caution to avoid patient ingestion. If ingested please contact physician immediately.

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**Curing times with Depth of Cure**

<table>
<thead>
<tr>
<th>Nuance Universal</th>
<th>Depth of Cure (at 470 nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Curing Time</td>
</tr>
<tr>
<td>LED / Halogen</td>
<td>20 sec</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Plasma Arc</td>
<td>5 sec</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flexural Strength*</th>
<th>103 Mpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler Load</td>
<td>82% wt</td>
</tr>
<tr>
<td>Particle distribution</td>
<td></td>
</tr>
<tr>
<td>micron</td>
<td>74%</td>
</tr>
<tr>
<td>submicron</td>
<td>19%</td>
</tr>
<tr>
<td>nano</td>
<td>7%</td>
</tr>
<tr>
<td>Barcol Hardness</td>
<td>95</td>
</tr>
<tr>
<td>Coefficient of Thermal Expansion</td>
<td>16 ppm</td>
</tr>
<tr>
<td>Radio Opacity*</td>
<td>2mm Al</td>
</tr>
<tr>
<td>Depth of Cure*</td>
<td>2.5 mm</td>
</tr>
</tbody>
</table>

* per ISO 4049:2009
3. Storage Precautions

- Nuance should not be used past the expiration date listed on the syringe.
- Nuance should be stored at 2 - 25°C / 36 - 77ºF when not in use.
- Keep away from direct sunlight, extreme heat, or open flame.
- After extrusion, securely place the cap onto the syringe. This will protect Nuance from ambient light, as well as foreign objects.

Main Ingredients:
- Silanated barium glass powder
- Bis-phenol A diglycidylmethacrylate (Bis-GMA)
- Triethylene glycol dimethacrylate
- DL-Camphorquinone

Clinical Procedure

1. Clean and prepare the tooth in the manner standard to your office’s protocol.

2. Apply bonding agent per the manufacturer’s instructions.

3. Place and light-cure Nuance Composite.
   - To reduce micro leakage and sensitivity, apply Nuance flowable as a liner in the cavity preparation. Light cure per instruction table.
   - Choose the appropriate shade that best matches the surrounding tooth. For optimal results, layer Nuance Universal and Nuance Universal Enamel shades.
   - Place the chosen product into the cavity, and light cure per instruction table.
   
   Note – Nuance should not be bulk cured, beyond increments of the recommended curing depth.

4. Contour the restoration and adjust the occlusion using a fine diamond point. Polish with silicone rubber points or polishing discs.

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### Curing Light | Light | Wavelength range and light intensity
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Conventional | Halogen Lamp | Light intensity of 300-550 mW/cm² in wavelength range from 400-415 nm
Sapphire® Plasma Arc Light | Xenon Lamp | Light intensity of more than 2000 mW/cm² in wavelength range from 400-515 nm, and light intensity of more than 450 mW/cm² in wavelength range from 400-430 nm
LED | Blue LED | Light intensity of more than 300 mW/cm² in wavelength range from 400-515 nm
FLASHlite 2.0 | LED | Light intensity of 1,100 mW/cm² ±200 in wavelength range from 460-480 nm
FLASHlite Magna 4.0 | LED | Light intensity of 1,300 mW/cm² ±200 mW in wavelength range of 440-490 nm

- Nuance will slowly polymerize in ambient light, and should be used shortly after extrusion. It is recommended that overhead lights be turned down. Please discard any material which has polymerized prematurely.
- Nuance should be at room temperature when dispensing and applying.