

BEAUTIFIL II LS Tips

Light-Cured Dental Restorative Material



BEAUTIFIL II LS is a light-cured (400-500nm), radiopaque restorative material indicated for anterior and posterior restorations including occlusal surfaces.

COMPOSITION

Glass powder, Urethane diacrylate, Bis-MPEPP, Bis-GMA, TEGDMA, Polymerization initiator, Pigments and others

INDICATIONS

- Anterior and posterior restorations
- Repair of restorations and prostheses

PRECAUTIONS

1. Do not use this product on patients with known allergies to this material and/or methacrylate monomer.
2. Operators with known allergies to this material and/or methacrylate monomer should exercise caution while using this product.
3. If any inflammation or other allergic reactions occur on either patient or operator, immediately discontinue use and seek medical advice.
4. Use medical (dental) gloves and protective glasses to avoid sensitization to this product. In case of accidental contact with oral soft tissue or skin, immediately blot with alcohol moistened cotton ball, and rinse with plenty of water. Medical (dental) gloves provide some protection against direct contact with this material; however some monomers can penetrate through the gloves very quickly to reach the skin. Therefore, should this material contact even the gloves, immediately remove them and wash hands with plenty of water.
5. In case of contact with eyes, immediately flush the eyes with plenty of water and seek medical advice.
6. Do not re-use tips.
7. This product is intended for use by dental professionals only.

DIRECTIONS FOR USE

A. ANTERIOR AND POSTERIOR RESTORATIONS

A1. *Cleaning of Tooth Surface*

Thoroughly clean the tooth surface to remove plaque.

A2. *Shade Selection*

Select appropriate shade using a shade guide while the tooth is still moist.

A3. *Cavity Preparation*

Prepare the cavity following the standard method.

A4. *Isolation*

Use a rubber dam etc to isolate the treatment area from contamination.

A5. *Placement of Matrix*

Place a matrix band in case the cavity involves proximal area. Follow the matrix manufacturer's instructions for use.

A6. *Pulp Protection*

In case of pulp exposure or deep cavity with close proximity to the pulp, cap the pulp with calcium hydroxide etc.

A7. *Adhesive Application*

Apply dentin adhesive following the manufacturer's instructions for use. Either two step adhesive such as FL-BOND II or one step adhesive such as BeautiBond can be used.

A8. *Flowable Application*

To achieve optimal adaptation of the prepared tooth, apply a flowable restorative material such as BEAUTIFIL Flow or BEAUTIFIL Flow Plus as a liner.

A9. *Filling*

Dispense adequate amount of **BEAUTIFIL II LS** onto a paper pad from the syringe. Apply the dispensed material into the cavity using a suitable instrument and create the shape desired. When using a tip, insert the tip into the dispenser to apply the material directly into the cavity. The tip material may also be dispensed

onto a paper pad to be applied into the cavity with a suitable instrument.

- When storing these materials in a refrigerator, allow them to reach room temperature before use
- The paste dispensed onto the paper pad should be shielded from ambient light with light-shielding cover to avoid premature polymerization of the material
- Tightly cap the syringe after each use
- When applying the material directly into the cavity, sterilize the dispenser before and after use
- When the cavity is deep, incremental filling and lightcuring of the material in layers, not exceeding 2 mm each, is recommended

A10. Light-cure

Light-cure with a dental light-curing unit. In cases where the restored area is large, light-cure in segments.

	Halogen Light-Curing Unit	LED Light-Curing Unit
Light-Curing Time	20 sec.	10 sec.
Light Source	Halogen	Blue LED (with a single emission peak)
Wavelength	400-500nm	440-490nm
Light Intensity	500mW/cm ² or more	1000mW/cm ² or more

- Use a dental light-curing unit having specifications equivalent to those described above. When using the one having performance scale other than these recommendations, follow the instructions of each unit to light-cure **BEAUTIFIL II LS** properly
- Operators and patients must use protective glasses or light shielding plate to avoid direct exposure to the curing light
- Disinfect the light-curing unit with alcohol after each use to avoid cross-contamination

A11. Finishing & Polishing

After light-curing, contour, finish and polish the restoration following the standard method.

B. REPAIR OF RESTORATIONS AND PROSTHESES

B1. *Cleaning of the Restoration to be Repaired*

Thoroughly clean the restoration to remove plaque.

B2. *Shade Selection*

Select appropriate shade using a shade guide.

B3. *Roughing of the Restoration*

Roughen the surface to be repaired with a dental abrasive (diamond burs etc). Then, rinse with water and dry.

B4. *Isolation*

Use a rubber dam etc to isolate the treatment area.


B5. *Pretreatment of the Restoration*

Pretreat the material to be repaired (composite resin, porcelain, metal or natural tooth) to enhance mechanical and chemical retention. P&R Repair Kit (CERARESin BOND and M.L. Primer) enables durable adhesion of **BEAUTIFIL II LS** to composite resin, porcelain and all types of alloys.

B6. *Filling, Light-cure, Finishing and Polishing*

Follow the procedures from A9 to A11 above.

NOTE ON USE

1. Do not use eugenol containing materials since they might inhibit polymerization or adhesion of the material.
2. Follow the instructions for use of each dental material, instrument or equipment to be used in conjunction with this product.
3. Do not use this product for any purposes other than specifically outlined under INDICATIONS in these instructions for use.
4. Use this product within the expiration date indicated on the package.
(Example  YYYY-MM-DD → Year-Month-Date of the expiration date)

STORAGE

Store at room temperature (1-30°C/ 34-86°F). Avoid high temperatures and high humidity. Keep away from direct sunlight and any source of ignition.

CAUTION: US FEDERAL LAW RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A DENTAL PROFESSIONAL.