

INSTRUCTION FOR USE

RADIANT FLOW

(Flowable Light Curing Nano Hybrid Composite)

Radiant Flow is a light-cured nano-hybrid flowable composite designed for direct restorative procedures. The material provides excellent adaptation to irregular cavity preparations, low polymerization shrinkage, and good handling characteristics. It is suitable for use as a liner/base under Class I and Class II posterior restorations as well as for minimally invasive restorative procedures. The material permits incremental placement of up to 3 mm thickness.

COMPOSITION

Bisphenol A Glycidyl Methacrylate (Bis-GMA), Ethoxylated Bisphenol A Dimethacrylate (Bis-EMA), Urethane Dimethacrylate (UDMA), Triethylene Glycol Dimethacrylate (TEGDMA), Silanated Barium Glass Powder, Amorphous Fumed Silica

INDICATIONS

- Base or liner under Class I and Class II direct posterior restorations
- Direct restoration of Class V cervical lesions and cervical caries
- Restoration of root erosions and wedge-shaped defects
- Restoration of anterior teeth (Class III and Class IV restorations)
- Small posterior restorations
- Repair of composite restorations and ceramic veneers
- Blocking out undercuts
- Minimally invasive cavity restorations

INSTRUCTIONS FOR USE

Storage and Conditioning

- If stored at low temperatures, allow the material to reach room temperature before use.

Tooth Preparation

- Clean the tooth surface using a non-fluoride prophylaxis paste
- Prepare the cavity according to standard adhesive restorative procedures
- Ensure proper isolation using rubber dam, cotton rolls, or saliva ejector

Adhesive Procedure

- Etch and bond the prepared tooth surface according to the adhesive manufacturer's instructions
- Light cure the adhesive before composite placement

Composite Placement

- Securely attach the applicator tip to the syringe
- Dispense the material directly into the prepared cavity
- Adapt and contour the material using a suitable dental instrument

Important:

Apply in increments not exceeding 3 mm thickness. Avoid air entrapment during placement

Light Curing

- Cure each increment separately for 20 seconds using an appropriate curing light with wavelength range of 400–500 nm
- Keep the light guide tip close to the material surface during curing

Note: Close syringe cap immediately after use. Excessive exposure to ambient or operating light may result in premature polymerization

Finishing and Polishing

- After final curing:
- Verify occlusion where applicable
- Remove excess material using finishing burs or polishing instruments
- Complete polishing with polishing discs, silicone polishers, or polishing paste

WARNINGS AND PRECAUTIONS

- Avoid prolonged or repeated contact with skin and eyes
- May cause skin irritation, allergic contact dermatitis, or hypersensitivity reactions in susceptible individuals
- Avoid inhalation of uncured material vapors or particles
- Do not ingest the material
- In case of skin contact, immediately remove material using cotton and alcohol and wash thoroughly with soap and water
- If irritation, rash, or allergic reaction occurs, discontinue use and seek medical advice
- In case of eye contact, rinse immediately with plenty of water and seek medical attention
- Eugenol-containing materials should not be used with this product because they may interfere with polymerization and hardening
- Protect syringes from excessive heat and direct sunlight

CONTRAINDICATIONS

Radiant Flow should not be used in:

- Patients with known hypersensitivity or severe allergic reactions to methacrylate-based resins or any product components
- If allergic reactions occur, discontinue use and seek medical advice.

PRESENTATION

Ref. No.: PL-0378- Radiant Flow- 2 × 2 g Syringe

AVAILABLE SHADES

A1, A2, A3, A3.5, A4, B1, B2, C1, C2, EW

STORAGE CONDITIONS

- Store in a dry place protected from light
- Store at temperatures between 10°C (50°F) and 25°C (77°F)
- Protect from moisture
- Keep syringe tightly closed after use
- Shelf life is not affected after opening when stored properly in a cool and dry place

SHELF LIFE

3 years from the date of manufacture

DISPOSAL

Dispose of product contents and packaging according to local regulations and applicable country-specific requirements.

CONTACT



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Failure to comply with the specified storage conditions may alter the working characteristics of the material and reduce its shelf life.

The manufacturer is not responsible for any loss of quality resulting from non-compliance with the specified conditions for transportation, storage, and use of this product. The user assumes full responsibility for using the material for any purposes other than those specified by the manufacturer.

This material is intended solely for professional dental use. Application must be carried out strictly according to the instructions for use. The manufacturer accepts no liability for damages resulting from failure to follow the provided instructions or for use beyond the stipulated applications. The user is responsible for assessing the material's suitability for any purpose not explicitly stated in this instruction sheet. The descriptions and data provided do not constitute a warranty of attributes and are not legally binding.

This product is specially formulated for use in dentistry and to be used by qualified dental personnel



Symbol for "TEMPERATURE LIMITATION"



Symbol for "KEEP DRY"



Symbol for "KEEP OUT OF THE REACH OF CHILDREN"



Symbol for "DO NOT USE IF PACKAGE IS DAMAGE"



Symbol for "KEEP AWAY FROM SUNLIGHT"



Symbol for "CAUTION"



Symbol for "MANUFACTURER NAME & ADDRESS"



Symbol for "CONSULT INSTRUCTION FOR USE"



Symbol for "CATALOGUE NUMBER"



Symbol for "USE BY"



Symbol for "MEDICAL DEVICE"



Symbol for "NON STERILE"



Symbol for "BATCH CODE"

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