



Flowable Dental Filling Resin Instructions for Use

Product Description

NANOFIL® flowable dental filling resin is a low viscosity, visible light activated, flowable composite. It is packaged in syringes and available in a variety of tooth color. The color offered with NANOFIL® flowable dental filling resins were designed to coordinate with color offered with NANOFIL® Universal dental filling resin and congeneric products as well.

Specification

3g/syringe, 2g/syringe, 1.5g/syringe

Composition

NANOFIL® flowable dental filling resin mainly contains BisGMA, TEGDMA, and Glass Powder.

Indications

- Class III and V restorations
- Restoration of minimally invasive non stress-bearing cavity
- Base/liner under direct restorations
- Repair of small defects in esthetic indirect restorations
- Pit and fissure sealant
- Undercut blackout
- Repair of resin and acrylic temporary materials

Contraindication

- Do not use in case of known hypersensitivity to acrylic resin

Side Effect

This product or one of its components may in particular case causes hypersensitive reactions.

Precaution

This product contains substances that may cause an allergic reaction by limbs and eye contact. To reduce the risk of allergic response, Use of protective gloves goggle and a no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. If hands contact occurs , wash hands immediately with soap and water and then re-glove. If eyes contact and allergic reaction occurs, seek medical attention as soon as possible.

Instructions for Use

1. Clean: Teeth should be cleaned with pumice and water to remove surface stains.
2. Color selection: Prior to isolation of tooth, select the appropriate color of NANOFIL® flowable dental filling resin using a standard VITAPAN® classical guide. Multiple Simulations are recommended for the doctors by applying the dental filling resin on the target unetched surface, select the appropriate color compared to the surface after curing. For sealants, a contrasting color may be desirable to enhance detection.
3. Isolation: A rubber dam is recommended to isolate the materials.
4. Dental pulp protection: Cover the bottom of the cavity with a layer of calcium hydroxide paste as support.
5. Etching and bonding: for class III and V restoration, minimally invasive non stress-bearing cavity and sealant, total etchant is recommended by using Atmbio GK Etchant Gel (total-etching gel) and Atmbio bonding agent B-10 (total-etching adhesive), Atmbio bonding agent B-20 (Self –adhesive Bonding agent) is an alternative

way with same effect, specially for the sensitive patients.

6. Filling the cavity: Apply the dental filling resin evenly on the etched cavity or target surface. The whole process should not involve any metal apparatus; Semi-transparent mould strips can be used.

7. Curing: halogen lights and LED lights (with output 400-1000 mW/cm²) are recommended, light colors should be cured for 20 seconds minimal whereas dark color should be cured for 40 seconds minimal.

8. Complete the restoration:

8.1. Base/Liner application: Place a compositedental filling resin, such as NANOFIL® Universal Restorative directly over the cured NANOFIL® flowable dental filling resin. Follow the manufacturer's instructions regarding placement, curing, finishing, occlusal adjustment, and polishing.

8.2. Direct restorative application:

8.2.1. Contour restoration surfaces with fine finishing diamonds, burs or stones.

8.2.2. Check occlusion with a thin articulating paper. Examine centric and lateral excursion contacts. Carefully adjust occlusion by removing material with a fine polishing diamond or stone.

8.2.3. Polish with finishing and polishing system or with white stones, rubber points or polishing paste where discs are not suitable.

8.3. Pit and fissure sealants: Gently remove the inhibited layer remaining after light curing with slurry of pumice or polishing paste.

Storage Condition

1. This product is designed to be used at room temperature 27°C/80°F.

2. Do not exposedental filling resins to elevated temperatures, or to

intense light.

3. Do not store materials in proximity to eugenol containing products.

4. Discard used syringe tip and replace with syringe storage cap. Disinfect the products using an intermediate level disinfection process (liquid contact)

Expiration Date and Batch Number

See note on syringe/packaging.

Warranty

3 years



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