

WONDER BULK FLOW

INTRODUCTION

WONDER BULK FLOW is an advanced, self-adaptive, visible light-cured, radiopaque flowable composite specially designed to deliver a “one-time” curing depth of up to 4 mm. With the best in class filler load (73% w/w), Wonder Bulk Flow is the material of choice for stand-alone low stress bearing restorations. Its self-levelling feature allows close adaptation to the cavity making it an ideal choice for a base overlaid with WONDER BULK FILL/WONDERPROFILL. WONDER BULK FLOW exhibits minimal polymerization stresses and incorporates advanced multifunctional fillers that provide the material optimized translucency, better shade stability and fluoride release that helps prevent secondary caries and plaque build-up.

INDICATIONS

- Dentin Replacement.
- Class I, Class II (low load bearing restorations).
- Tunnel Restorations.
- Class III and class V restorations/Abfraction lesions.
- As base under Class I and II direct restorations.
- As Liner under direct restorative materials - Class II box liner for Wonder Bulk Fill.
- As Pit & Fissure Sealant.

CLINICAL APPLICATION

- 1. Cleaning:**
Thoroughly clean the tooth surface to remove bio-film.
- 2. Tooth Surface preparation:**
Prepare the tooth surface using conventional preparation technique
- 3. Pulp capping:**
If a cavity is deep, protect with an appropriate pulp capping agent. Do not use a eugenol containing liner.
- 4. Matrix placement:**
Place a matrix band in the case where the cavity involves proximal area as instructed by manufacturer.



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5. Etching:

Etch the tooth as per standard techniques.

6. Adhesive application:

Apply suitable LC adhesive such as Select Bond TE/Wonder Bond SE as per the manufacturer's instructions for use.

7. Material Application:

- i. Remove cap from the syringe and place a dispensing tip securely.
- ii. Any possible air from the dispensing tip is removed by gently pushing forward the syringe plunger with the tip pointing upwards until material reaches the opening of the tip.
- iii. Place the dispensing tip as close as possible to the prepared cavity, and slowly push the syringe plunger to dispense the material. Dispense the required amount of WONDER BULK FLOW directly into the cavity using a clean dispensing tip.
- iv. Begin dispensing at the deepest portion of the cavity, keeping the tip close to the cavity floor. Gradually withdraw the tip as cavity is filled. Avoid lifting the tip out of dispensed material while dispensing, to minimize air entrapment.
- v. Within few seconds WONDER BULK FLOW will self-level, eliminating the need for further manipulation with hand instruments.
- vi. It is placed in one bulk increment up to 4mm. After dispensing, **DO NOT PULL BACK THE PLUNGER**, this will help prevent air entrapment.

8. Light Curing:

Light cure the entire surface of the restoration. Place the light tip as close to the restoration as possible. The recommended exposure time for each light source is shown below:

Light-curing unit	High Power LED (1000 mW/cm ² or more)	Halogen (500 mW/cm ² or more) / Blue LED < 1000 mW/cm ²
Light-curing time	10 secs	20 secs

9. Finishing and Polishing:

After completing the restoration remove excess material with abrasive points and then polish.

PRECAUTIONS

1. Do not expose patients or users known to be allergic to this type of material and/or



methacrylate monomers.

2. Use medical (dental) gloves, face masks and protective glasses to avoid sensitization to this product. In case of prolonged contact with 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. In case of contact with eyes, immediately flush with plenty of water and seek medical advice.
3. If any eruption or skin inflammation occurs on a patient when using this product, immediately discontinue for now and future use and seek medical advice.
4. Avoid any contamination of restoration with blood, saliva or sulcus fluid during application.
5. Wear orange protective glasses when curing.
6. For more information read Safety Data Sheet (SDS).

STORAGE

Keep away from direct sunlight and store between 5 - 25°C

Caution:

Do not expose restorative materials to elevated temperatures, intense light or to high humidity.

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

ADDITIONAL NOTES

1. When placing WONDERBULKFLOW as a base or liner, allow atleast 2mm for the selected high strength restorative to be placed on it.
2. When storing these materials in a refrigerator, allow them to reach room temperature before use.
3. Needle tips should be used for only one patient and then discarded at the end of the procedure to avoid cross contamination.
4. Always replace the syringe cap after use.
5. Disinfect the syringe with alcohol after each use to avoid cross-contamination. Use caution to avoid including alcohol into the material. Do not wipe the dispensing tip with excessive alcohol as this may cause contamination of the paste.
6. When polishing the polymerized material, use a dust collector and wear a dust mask to avoid inhalation of cutting dust.



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7. Do not use any resin to adjust viscosity of composite restorative material.
8. WONDER BULK FLOW should flow freely with gentle pressure. DO NOT USE EXCESS FORCE. If more than excess pressure is required, remove from patient field and check for obstruction. Any visible air bubbles should be pierced with a clean sharp explorer prior to curing.
9. Follow the instructions for use of each dental material or instrument to be used in conjunction with this product.

EXPIRY DATE

- The expiry date is shown in DD/MM/YY format on the pack.
- Do not use the product after this date.

PRODUCT STRUCTURE

Resin: BisGMA/UDMA/TEGDMA

Filler: Multifunctional fluoroboroaluminosilicate glass fillers.

Filler Loading: 73% w/w

PACKAGING

Syringe 2gm

Applicator Tips 5N

SHADE

Universal

SPECIALY FORMULATED FOR USE IN DENTISTRY



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