

# ENDURE FLOW

## FLOWABLE NANOHYBRID COMPOSITE

Light-cured, low viscosity, restorative material

FOR PROFESSIONAL USE ONLY  
INSTRUCTIONS FOR USE

### INDICATIONS:

Endure Flow is indicated for class III and V restorations. It can also be used for repair of crown margins at the discretion of the dentist. In posterior composite restorative techniques, Endure Flow may also be used immediately after the bonding adhesive as a liner at the base of the restoration. It can be used to modify the margins of (bisacryl) temporary crowns. Endure Flow provides solutions to a number of clinical problems in dental restorative technique especially where flow can improve adaptation.

### DESCRIPTION:

Endure Flow is a light-cured, radiopaque, resin-based, dental restorative material. It contains a ytterbium fluoride mono-dispersed nano-sized particle which combined with silica and barium glass composes a state of the art nano-filler system. It is available in a selection of shades matched to the VITA® Shade Guide. Its low viscosity and precise syringe make it easy to place and finish, and adaptable to a variety of clinical situations.

### FORMULATION:

Endure Flow is a 41 volume% filled composite resin system based on BisGMA. The filler particle sizes range from a nanosize ytterbium fluoride to a submicron barium glass. It contains 2wt% sodium fluoride, and about 1wt% catalysts, inhibitors and pigments.

### DIRECTIONS FOR USE:

1. Prophy: The tooth should be cleaned by scaling and prophylaxis with flour of pumice.
2. Shade selection: Esthetic choices should be determined prior to isolation and/ or preparation of the tooth/teeth. Do not stare at the shade tabs and teeth for more than 10-15 seconds during shade selection. Use of a VITA® Shade Guide is recommended.
3. Isolation: Isolate the teeth. Use of a rubber dam is highly recommended. Do not allow saliva or water contamination of unset or set material during placement or of any step in the subsequent restorative procedure.
4. Cavity preparation: Follow usual procedures for tooth cavity preparation, leaving no residual material or base from any previous restoration.
5. Pulp Protection: Base the preparation as needed. Calcium hydroxide cement may be used for covering small pulpal exposures. Any additional dentinal coverage desired can be achieved by using a glass ionomer lining cement. Eugenol containing cements must be avoided.
6. Bonding: Use a state of the art dentin/enamel bonding system to bond the flowable composite to the tooth structure. Other modified bonding systems can be used to bond flowable composite to other kinds of materials used in restorative techniques. Cure the bonding resin before placing the composite. Follow the instructions from the manufacturer of the bonding agent.
7. Attach a dispensing syringe tip to the flowable composite syringe. The composite can be applied directly to the tooth surface by exerting gentle pressure on the syringe plunger. Stop pressure on plunger before the desired amount of material is dispensed, since the flow of material from the dispensing tip continues for a short time after the pressure is released. Slight back pressure on the plunger can help to decrease the continued flow of the resin out of the syringe. Remove the dispensing tip from the syringe and replace the original syringe cap.
8. Placement and Curing: A layer of composite should not exceed 2½ mm. Light-cure each layer for 30 seconds with a blue, dental curing light emitting wavelengths between 470-480 nanometers and a minimum of 500 mW/cm<sup>2</sup> intensity. Longer curing times may be required for dark shades.
9. If used as an intermediate layer, composite restorative material can be placed directly upon the cured flowable composite, as long as the surface of the flowable composite has not been contaminated or washed.
10. Finishing: After curing, remove flash with a sharp instrument. This composite provides excellent smoothness and may simplify finishing. If needed, finish using a fine diamond, multifluted carbide finishing bur, or finishing disc and strips.
11. Polishing: Various polishing materials are available that give excellent results.

### STORAGE:

- This composite is designed to be stored between 50 °F - 75 °F (10 °C - 24 °C).
- Replace caps immediately after dispensing.
- If stored in a refrigerator, bring to room temperature prior to use.
- Do not store material in proximity of eugenol-containing materials.
- Do not expose to elevated temperatures or intense light

1. VITA is a registered trademark of VITA Zahnfabrik, Bad Säckingen, Germany.

### WARNINGS :

- Some uncured monomers can cause skin irritation in some individuals.
- These composite materials contain dimethacrylate resins and other components that may cause an allergic response. Do not use in individuals with allergies to these materials.

PLEASE CHECK THESE SPECIFICATIONS CAREFULLY

EF- LF/10/2023/24



A 705, TTC Industrial Area,  
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Job : Endure Flow Leaflet  
Date : 7 Oct 2023  
L x W : 280 x 108 mm  
Printing : Black  
Leaflet Type : Insert  
 Die Cutting  Foiling

Paper : 60 gsm Maplitho  
Folding : 28 x 108 ± 1mm

Colours  
 Black

### Finishing :

Varnish  Full  Gloss  
 Aqueous  OPZ  Matt  
 Lamination  Foil

**Size as per your submitted Dummy**


Approved by \_\_\_\_\_ Date : \_\_\_\_\_  
Signature for approval and agreement to statements 1- 5  
above : \_\_\_\_\_

1. Hitech Graphics requires a signed proof approval prior to printing. Please email your approval or changes to hitechgraphics@printingindia.com
2. The colours you see on your screen or on a colour proof will be different than the actual colours printed. PMS colours will be matched to the actual Pantone book and may vary slightly depending on the material used. If you have exact colours or finishing effects in mind, we recommend coming in while the cartons are on press to approve. Please tick wherever applicable.
3. It is your responsibility to examine this proof carefully for layout, size, text, graphics, etc. Please reconfirm that the finished label configuration will work with your applicator and will fit as expected on your product.
4. Our terms require payment prior to shipping unless prior credit terms have been established. Cancellation of your order after proof approval will incur charges.

- To reduce these risks avoid exposure to uncured resin.
  - »» If contact with eyes occurs, flush with copious amounts of water.
  - »» If contact with skin occurs, wash with soap and water.
  - »» In case of ingestion, seek medical attention immediately.
- Dentists and assistants should wear gloves, masks and protective eye wear.
- Patients should also wear eye protection.
- Test the dental curing light periodically to assure sufficient intensity of the light output.
- Any re-usable, sterilizable instrument that is handled in the delivery of the dental service should be sterilized.
- Any non-sterilizable item that is handled in the delivery of the dental service should be disinfected by standard dental office hygiene procedures.
- Do not use eugenol-containing materials on the tooth since eugenol can retard the curing process.
- Do not allow saliva or water contamination of etched tooth surface, unset material, set material, or during any step in the subsequent restorative procedure.
- Do not use beyond the shelf life indicated on the packaging.
- For additional information consult the Safety Data Sheet.


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 <p>           A 705, TTC Industrial Area,            MIDC Mahape            Navi Mumbai 400 710 India            +91 9867134433            hitechgraphics@printingindia.com         </p>	<p>           Job : <u>Endure Flow Leaflet</u>            Date : <u>7 Oct 2023</u>            L x W : <u>280 x 108 mm</u>            Printing : <u>Black</u>            Leaflet Type : <u>Insert</u>  <input type="checkbox"/> Die Cutting    <input type="checkbox"/> Foiling         </p>	<p>           Paper : <u>60 gsm Maplitho</u>            Folding : <u>28 x 108 ± 1mm</u> </p> <p> <b>Colours</b>  <input checked="" type="checkbox"/> Black         </p> <p> <b>Finishing :</b>  <input type="checkbox"/> Varnish   <input type="checkbox"/> Full   <input type="checkbox"/> Gloss  <input type="checkbox"/> Aqueous   <input type="checkbox"/> OPZ   <input type="checkbox"/> Matt  <input type="checkbox"/> Lamination   <input type="checkbox"/> Foil  <b>Size as per your submitted Dummy</b> </p> <p> <input type="checkbox"/> Approved by _____ Date : _____            Signature for approval and agreement to statements 1- 5 above : _____         </p>
<p>1. Hitech Graphics requires a signed proof approval prior to printing. Please email your approval or changes to hitechgraphics@printingindia.com</p> <p>2. The colours you see on your screen or on a colour proof will be different than the actual colours printed. PMS colours will be matched to the actual Pantone book and may vary slightly depending on the material used. If you have exact colours or finishing effects in mind, we recommend coming in while the cartons are on press to approve. Please tick wherever applicable.</p> <p>3. It is your responsibility to examine this proof carefully for layout, size, text, graphics, etc. Please reconfirm that the finished label configuration will work with your applicator and will fit as expected on your product.</p> <p>4. Our terms require payment prior to shipping unless prior credit terms have been established. Cancellation of your order after proof approval will incur charges.</p>		