

StarFill 2B™



A dentin shaded, radiopaque, fluoride releasing, dual cured, strong, flowable, microhybrid composite.

INSTRUCTIONS

StarFill 2B™ was specifically developed for the directed shrinkage technique of posterior composite placement, first described by Dr. Raymond Bertolotti¹. StarFill 2B is also ideal for luting posts, core buildups, crowns, veneers and any application where light transmission is in question. Being a dual cure, StarFill 2B can be rapidly cured with a light. Starfill 2B contains 61% filler by weight (41% by volume).

MIXING INSTRUCTIONS

A. Automix Syringe (one double barrel)

1. Remove twist off cap and attach automix tip.
2. Depress plunger with smooth, even pressure until no air is left in mix tip.
3. Syringe StarFill 2B directly into restoration.
4. Do not remove the automix tip after use. The used tip serves as a convenient seal until the next use.

B. Base & Catalyst Syringes (individual)

1. Hand mix equal portions of the StarFill 2B Base and Catalyst.
2. Place StarFill 2B using a Centrix needle tip or similar syringe tip.
3. The tips and silicone caps are color coded. It is suggested that white caps be used on white tips and black caps be used on black tips to prevent cross-contamination of base and catalyst.

USE INSTRUCTIONS

Directed Shrinkage Technique for Posterior Composites

StarFill 2B™ is ideal for the "Directed Shrinkage" technique^{1,2,3} for composite placement.

1. Cut conservative prep. Use of Danville's CariesFinder™ or other caries detection dye as a guide is suggested.
2. Etch enamel and dentin for 15 to 30 seconds with a liquid phosphoric acid etchant such as SureEtch™.
3. A highly recommended optional step to reduce sensitivity is to apply Danville's MicroPrime™ desensitising agent for 20 seconds (minimum) penetration time. (Note: Do not use MicroPrime with self etch primers.)
4. Apply bonding agent and cure.



Danville
MATERIALS

3420 Fostoria Way Suite A-200 San Ramon, California 94583 USA
800/827-7940 Fax 925/973-0764



¹Bertolotti R.L. *PP&A Aesthetic Chronicle* 1991; 3, 53-58.

²Ferrari M. *PP&A Aesthetic Chronicle* 1993; 5, 29-36.

³Garberoglio R. et al. *Am J Dent* 1995; 8, 303-307.

5. Apply StarFill 2B and allow to self cure for at least 2 1/2 minutes. (To achieve directed shrinkage effect, the minimum depth is a Dycal-like layer which includes the gingival margin.) (Note: StarFill 2B can be light cured for faster set but that cure negates the directed shrinkage effect.)
 - 6a. Place a light cure posterior composite and cure. (There is no need for bonding agent between the StarFill 2B and the overlying composite.)
- OR
- 6b. A bite form technique, using a sectional matrix system such as Contact Matrix, may be used to form the composite. Place the composite, remove the Contact Ring, apply glycerine gel on the occlusal and have the patient bite into centric occlusion. Cure the composite while the patient's mouth is closed. Have the patient open and cure again.
 7. Remove the matrix.
 8. Finish and polish.
 9. Avoid cross-contamination between patients by replacing mixing tip between patients. Disposable handpiece or syringe plastic barrier sleeves may provide greater prevention of cross-contamination. Insert Starfill 2B automix syringe with new tip into barrier sleeve, piercing only the automix tip through the plastic. If used with Centrix tip, follow Centrix directions for use.

STORAGE

Refrigerate for full shelf life. Use at room temperature.

ADDITIONAL NOTES

- Do not store the composite material in proximity to eugenol-containing products, nor let the composite come into contact with materials containing eugenol. Eugenol can impair the hardening of the composite and cause discoloration.
- Contact of resin pastes with skin should be avoided, especially by anyone having known resin allergies.

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Company: Danville Materials
3420 Fostoria Way Ste A-200
San Ramon, CA 94583
Phone: (800) 827-7940
Fax: (925) 973-0764
Prepared: December 9, 2010

SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES

Material	% WGT	OSHA PEL	ACGIH TLV
Barium Glass	45-65%	15	10
BIS GMA	15-45	N/L	N/L

SECTION III - PHYSICAL DATA

(ND = Not Determined NA = Not Applicable NL = Not Listed)

Vapor Pressure mm HG: ND Vapor Density (Air = 1): NA
Evaporation Rate (Ether = 1): NA % Volatile by Volume: NA
Solubility in Water: Insoluble Boiling Point: ND
Appearance: Tooth-shaded Resin Paste Specific Gravity: (H2 = 1): >1
Odor: Slight

SECTION IV - FIRE AND EXPLOSION

Flash Point: >+104°C
Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical
Special Fire Fighting Procedures: None
Flammable Limits: ND
Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Prolonged extreme heat beyond 40°C and intense light.
Incompatibility: ND
Hazardous Decomposition Products: None known.
Hazardous Polymerization: None

SECTION VI - HEALTH HAZARDS

OSHA Permissible Exposure Limits: None
Other Exposure Limit Used: None
ACGIH Threshold Exposure Limit: None
Chronic, Other: None
Acute Overexposure: Irritation to eyes and skin may occur with uncured resins. May cause skin sensitivity in select individuals.
Medical Conditions Generally Aggravated by Exposure: None Known
Hygienic Practices: None
Primary Route(s) of Exposure: Skin - Yes. Inhalation and Ingestion - No.

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Signs of Exposure: Severe skin or eye irritation, redness or burning sensation.
Skin: Wash off affected area with soap and water.
Ingestion: Seek immediate medical advice, carry container with label.
Eyes: Rinse immediately with plenty of water and seek medical advice.

SECTION VIII - SAFE HANDLING AND USE PRECAUTIONS

Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with soap and water.
Waste Disposal Methods: This material contains hazardous constituents. Dispose of safely in accordance with local, state and federal regulations. Avoid temperatures in excess of 40°C.

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: None Eye Protection: Safety goggles
Glove: Surgical rubber/PVC gloves Other Clothing & Equipment: Face mask
Ventilation: None required, local exhaust recommended.