

StartFill 2B™

RxOnly

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

INSTRUCTIONS

PRODUCT DESCRIPTION

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

INDICATIONS FOR USE

StartFill 2B™ may be applied onto the denture caps while they are in the patient's mouth to ensure that they are properly secured to the prosthesis. The denture caps are part of the dental implant system which is intended to provide support for prosthetic devices, such as overdentures to restore the patient's chewing function.

PRECAUTIONS

- 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.

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 StartFill 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 StartFill 2B™ Base and Catalyst.
2. Place StartFill 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

StartFill 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.

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.

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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.
5. Apply StartFill 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: StartFill 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 StartFill 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 StartFill 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.

DEFINITIONS OF SYMBOLS

The following symbols may appear on the product packaging or labeling.

Symbol	Definition	Symbol	Definition
	Reference number		Lot number
	Use by		Upper limit of temperature
	Caution: Federal law restricts this device to sale by or on the order of a dentist.		European Community Authorized Representative
	Manufacturer		European Mark of Conformity
	Keep away from sunlight		Consult instructions for use

Danville Materials
a Zest Anchors, LLC company
2875 Loker Avenue East
Carlsbad, CA 92010 USA
(1)760-743-7744

www.zestdent.com

MDSS GmbH
Schiffgraben 41
30175 Hannover
Germany



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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 StartFill 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.

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