

Injectafil®

Dual-Cure Injectable Composite

Injectafil® is a dual cure composite with handling characteristics that make it ideal for Class I, II, III, IV and V restorations. Other uses of this material are as a resin cement for indirect restorations or a core build up material. The dual cure mechanism provides speed in placing restorations while limiting the amount of stress created in the curing process.

Injectafil® is an injectable composite that can be used to bulk fill restorations. Using the auto mix tips provided, ***Injectafil®*** is easily injected directly into the cavity preparation. The material can be shaped with the provided dispensing tips prior to activation.

- Radiopaque for easy identification on radiographs.
- Easily polished and stain resistant.
- Highly wear resistance.
- High physical strengths.

Principle Uses of *Injectafil®*:

- Class I, II, III, IV, and V
- Indirect cementation including crowns, inlays, onlays, and veneers
- Core Build Ups

For technical assistance please call toll-free: 1-877-APEX-123

Composite Fillings:

- 1) Isolate and prepare the tooth surface to be restored.
- 2) Apply an adhesive, such as **Simplicity** Self-Etch Adhesive system or **SURPASS**® Self-Etch Adhesive system, according to the manufacturer's instructions. (If **Simplicity** or **SURPASS**® is not chosen, be sure the adhesive of choice is recommended for use with self and dual cure products.)
- 3) Select the appropriate shade of **Injectafil**®
- 4) Bleed the **Injectafil**® syringe by expressing a small amount of material onto a pad. This assures the material is being expressed from both side of the syringe equally.
- 5) Attach the mixing tip to the syringe and express a small amount of material onto a pad. This assures the material is flowing from the tip in a uniform manner.
- 6) Insert the mixing tip to the bottom of the preparation and fill the entire prepared area with **Injectafil**®. Light activate the surface for 20 seconds.
- 7) Shape and finish to desired level. (If the material is not light activated it will self cure and set in 3 minutes)
- 8) After each use, leave the used mixing tip in place to seal the syringe.

(*) Material can also be extruded directly onto a pad for hand mixing and placement

NOTE: While the universal shade of **Injectafil**® will produce exceptional results in most restorations there may be cases that require a higher level of aesthetics. For highly aesthetic cases it is recommend to leave a 1mm increment at the top of the preparation for use of a composite material offering the specific desired shade. **Injectafil**® is compatible with all methacrylate composite materials thus an incremental layer of the material of choice would simply be placed as the final layer and light activated according to the manufacturer's instructions.

NOTE: **Injectafil**® is compatible with all dental adhesives that work with dual-cure materials. If not using **SURPASS**® or **Simplicity**, the adhesive should be used according to the manufacturer's instructions.

Cementation:

- 1) Isolate and prepare the tooth surface to be restored.
- 2) Apply an adhesive, such as **Simplicity** Self-Etch Adhesive system or **SURPASS**® Self-Etch Adhesive system, according to the manufacturer's instructions. (If **Simplicity** or **SURPASS**® is not chosen, be sure the adhesive of choice is recommended for use with self and dual cure products.)
- 3) Select the appropriate shade of **Injectafil**®
- 4) Bleed the **Injectafil**® syringe by expressing a small amount of material onto a pad. This assures the material is being expressed from both side of the syringe equally.
- 5) Attach the mixing tip to the syringe and express a small amount of material onto a pad. This assures the material is flowing from the tip in a uniform manner. (*)
- 6) Dispense **Injectafil**® either into the restoration or into the preparation depending on ease of placement.
- 7) Deliver the restoration to the tooth and remove excess material.
- 8) After clean up, light activate all margins for 20 seconds
- 9) After each use, leave the used mixing tip in place to seal the syringe.

(*) Material can also be extruded directly onto a pad for hand mixing and placement

NOTE: **Injectafil**® has been designed to have a working time of 90 seconds and fully cure in 3 minutes when used only in self-cure mode. (The setting time will be slightly less than 3 minutes in the oral environment).

NOTE: For the easiest clean up, wait for the 90 second working time to expire and the material to gel. Using an explorer remove excess material from margins and floss between the contacts. Then light activate the facial and lingual (and occlusal if appropriate) surfaces for 10 seconds each.

Core Build Ups:

- 1) Isolate and prepare the tooth surface to be restored.
- 2) Apply an adhesive, such as **Simplicity** Self-Etch Adhesive system or **SURPASS**® Self-Etch Adhesive system, according to the manufacturer's instructions. (If **Simplicity** or **SURPASS**® is not chosen, be sure the adhesive of choice is recommended for use with self and dual cure products.)
- 3) Select the appropriate shade of **Injectafil**®
- 4) Bleed the **Injectafil**® syringe by expressing a small amount of material onto a pad. This assures the material is being expressed from both side of the syringe equally.
- 5) Attach the mixing tip to the syringe and express a small amount of material onto a pad. This assures the material is flowing from the tip in a uniform manner. (*)
- 6) Start the build up by applying a 1mm increment of **Injectafil**® and light curing for 20 seconds. After this initial layer has been placed additional material should be added and built up to the desired level. Light activate for 20 seconds per surface and begin preparation procedure or wait for material to self-cure.
- 7) After each use, leave the used mixing tip in place to seal the syringe.

(*) Material can also be extruded directly onto a pad for hand mixing and placement

NOTE: Shape before final curing using instruments, matrix bands or crown forms. Remove matrix band if used. Final crown preparation can be accomplished with your preferred procedures.

NOTE: If using a post or a pin, prepare and insert the post or pin according to the manufacturer's directions.

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