



## Anchor® Overview

**Anchor®** is an innovative core build-up material with dual cure chemistry packaged in an automix cartridge or an automix push syringe. **Anchor®** is offered in both tooth shade (A2) and opaque white. **Anchor®** has been designed to be thin enough for use as a luting material while having the strength and thixotropic characteristics required for core applications. **Anchor®** is a dual-cure material so you are assured the material will completely cure in any situation. **Anchor®** can be used as a core build-up material, cement for pins or posts and luting agent for crowns, veneers, etc. The chemistry is compatible with common composites, compomers and their bonding agents. **Anchor®** is extremely radiopaque and contains fluoride.

**Anchor® Instructions:** (For optimal results the tooth should be prepared with a resin based adhesive prior to the use of **Anchor®**. **Anchor®** is compatible with all resin based adhesives and composites):

- (I). 25 ml Cartridge Assembly:
- A) Load the dispensing gun with the automix 1:1 cartridge.
  - B) Remove and dispose of the cap. **DO NOT REUSE THE CAP.**
  - C) Extrude a pea-sized amount of material until both sides flow equally. (This only needs to be done the first time the syringe is used.)
  - D) Attach the mixing tip to the cartridge.
  - E) Extrude material as needed. (\*\*) For core build-ups, it is recommended to start the build up by applying a 1mm increment of **Anchor®** and light curing for 20 seconds. After this initial layer has been placed additional material should be used as necessary.
  - F) After each use, leave the used mixing tip in place to seal the cartridge.
- (II). 5 ml Cartridge Assembly:
- A) Twist the cap of the 5 ml syringe and remove the cap. Be sure to discard the cap and do not use the cap again.
  - B) Depress the plunger to extrude a very small amount of the material (less than a pea size drop). This will insure that both sides flow properly. (This only needs to be done the first time the syringe is used.)
  - C) Insert the special mixing tip onto the syringe and secure with a twisting motion.
  - D) Extrude the material as needed. (\*\*) For core build-ups, it is recommended to start the build up by applying a 1mm increment of **Anchor®** and light curing for 20 seconds. After this initial layer has been placed additional material should be used as necessary.
  - E) After each use, leave the used mixing tip in place to seal the syringe.

(\*\*) Material can be extruded on a pad for hand placement

## Notes:

1. **Anchor®** has been designed to have a working time of one and a half minutes and fully cure in 4 minutes when used only in self-cure mode. (The setting time will be slightly less than 4 minutes in the mouth). If you use a dental curing light you can cure for 10 to 15 seconds to achieve a partial set stage and allow **Anchor®** to complete the curing process in the self-cure mode for an additional 3 minutes. The unique dual cure feature allows you to place the material and ‘tack’ it into place for 15 seconds, shape the restoration and continue while the self-cure feature completes the curing of the material. If used only in the light cure mode, total curing time will be 45 seconds. As with all light cured products, times will vary with the intensity of the curing light. 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.
2. 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.
3. If using a post or a pin, prepare and insert the post or pin according to the manufacturer’s directions.

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## **Anchor® Instructions (with Simplicity®):**

1. Isolate and prepare the tooth using rubber dam, being sure to remove all decay and existing restorations. **Anchor®** contains methacrylate based monomers and is compatible with other methacrylate based materials.
2. Rinse the preparation thoroughly and remove all visible water by drying the surface for approximately 5 seconds with dried compressed air. Do not desiccate the tooth surface.
3. The **Simplicity®** kit contains red Microtip® tips, blue Ultrabrush® (bristle-type) tips, and a dual-ended applicator handle. Insert one of each type tip into the two ends of the applicator handle using a twisting motion.
4. A drop of **Simplicity® 1** is dispensed into one well of the small white plastic holding tray.
5. With a red Microtip® applicator, apply **Simplicity® 1** (a clear solution) to the preparation and gently agitate it on the preparation for 10 seconds. **DO NOT DRY Simplicity® 1.**
6. Dispense a drop of **Simplicity® 2** into the other well of the white holding tray (dispense just prior to using). For very large preps, two drops may be required. Fully immerse a clean Ultrabrush® tip into the **Simplicity® 2** (a yellow solution). Apply 3 full brushes of **Simplicity® 2** to the cavity prep. Do not agitate or rub into the preparation.
7. Dry thoroughly. (Ideally dry with the air pressure set at 40lbs. for 5 seconds from a two inch distance with the air stream perpendicular to the cavity floor.)
8. Apply 2 additional full brushes of **Simplicity® 2** and thoroughly dry (approximately 5 seconds).
9. Light-cure the adhesive for 10 seconds. If unsure about the light output, light-cure for 20 seconds.
10. Apply a final coat of **Simplicity® 2** to the surface and dry thoroughly (approximately 5 seconds). **DO NOT LIGHT-CURE**
- 11 (I). 25 ml Cartridge Assembly:
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  - B) Remove and dispose of the cap. **DO NOT REUSE THE CAP.**
  - C) Extrude a pea-sized amount of material until both sides flow equally. (This only needs to be done the first time the syringe is used.)
  - D) Attach the mixing tip to the cartridge.
  - E) Extrude material as needed.(\*\*) For core build-ups, it is recommended to start the build up by applying a 1mm increment of **Anchor®** and light curing for 20 seconds. After this initial layer has been placed additional material should be used as necessary.
  - F) After each use, leave the used mixing tip in place to seal the cartridge.
- 11 (II). 5 ml Cartridge Assembly:
  - A) Twist the cap of the 5 ml syringe and remove the cap. Be sure to discard the cap and do not use the cap again.
  - B) Depress the plunger to extrude a very small amount of the material (less than a pea size drop). This will insure that both sides flow properly. (This only needs to be done the first time the syringe is used.)
  - C) Insert the special mixing tip onto the syringe and secure with a twisting motion.
  - D) Extrude the material as needed. (\*\*) For core build-ups, it is recommended to start the build up by applying a 1mm increment of **Anchor®** and light curing for 20 seconds. After this initial layer has been placed additional material should be used as necessary.
  - E) After each use, leave the used mixing tip in place to seal the syringe.

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## **Anchor® Instructions (with Surpass®):**

1. Isolate and prepare the tooth using rubber dam, being sure to remove all decay and existing restorations. **Anchor®** contains methacrylate based monomers and is compatible with other methacrylate based materials.
2. Rinse the preparation thoroughly and remove all visible water by drying the surface for approximately 5 seconds with dried compressed air. Do not desiccate the tooth surface.
3. The **Surpass®** kit contains **Surpass® 1**, **Surpass® 2**, **Surpass® 3**, color coded Ultrabrushes® applicators and a 3 cavity well.
4. Dispense a drop of **Surpass® 1** into one cavity of the mixing well. Using the proper color-coded brush, apply **Surpass® 1** to the entire cavity preparation and the surrounding tooth structure, agitating briskly for at least 10 seconds.
5. **DO NOT DRY Surpass® 1**
6. Dispense a drop of **Surpass® 2** into another cavity of the mixing well. Using the proper color-coded brush apply three brushfuls of **Surpass® 2** to the entire cavity preparation, dabbing each brushful to help distribute as much of the primer as possible.
7. Dry the primed surface with dried compressed air for at least 10 seconds with the air syringe tip as close as possible to the surface.
8. **DRY Surpass® 2 THOROUGHLY**
9. Dispense a drop of **Surpass® 3** into another cavity of the mixing well. Using the proper color-coded brush apply a thin layer of **Surpass® 3** to the entire cavity surface. **Surpass® 3** can be air-thinned if desired.
10. Light-activate for 10 seconds. **Surpass®** can be activated with any dental activation light.
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  - C) Extrude a pea-sized amount of material until both sides flow equally. (This only needs to be done the first time the syringe is used.)
  - D) Attach the mixing tip to the cartridge.
  - E) Extrude material as needed. (\*\*) For core build-ups, it is recommended to start the build up by applying a 1mm increment of **Anchor®** and light curing for 20 seconds. After this initial layer has been placed additional material should be used as necessary.
  - F) After each use, leave the used mixing tip in place to seal the cartridge.
- 11 (II). 5 ml Cartridge Assembly:
  - A) Twist the cap of the 5 ml syringe and remove the cap. Be sure to discard the cap and do not use the cap again.
  - B) Depress the plunger to extrude a very small amount of the material (less than a pea size drop). This will insure that both sides flow properly. (This only needs to be done the first time the syringe is used.)
  - C) Insert the special mixing tip onto the syringe and secure with a twisting motion.
  - D) Extrude the material as needed. (\*\*) For core build-ups, it is recommended to start the build up by applying a 1mm increment of **Anchor®** and light curing for 20 seconds. After this initial layer has been placed additional material should be used as necessary.
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