

BUILD-IT[®]

Fiber Reinforced Core Build-up Kit

FR[™]

Dual Cure • Radiopaque • Contains Fluoride

ISO 4049 Resin Based Dental Restorative Material

INSTRUCTIONS FOR USE



PENTRON[®]

CLINICAL TECHNOLOGIES, LLC

ISO 9001 CERTIFIED

Rx Only



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Build-It® F.R.™ Fiber Reinforced Core Build-up Material

Build-It® F.R.™ fiber reinforced, dual cure resin core build-up material is conveniently delivered in a 25ml, 50ml auto-mix cartridge and a double barrel auto-mix syringe. The addition of specially treated glass fibers (the same ones used in our Alert® Condensable Composite) increases the compressive strength of the core build-up.

Build-It F.R. core build-up material contains all of the features of an ideal core build-up material: it cuts like dentin, it contains fluoride, it comes in a universal tooth color (approx. A2) and it is radiopaque for easy detection of marginal areas on x-rays. Four more optional *Build-It F.R.* shades are also available. They are A3, gold, blue and opaceous white.

Build-It F.R. fiber reinforced core material can be used under all-ceramic or all-composite restorations, to cement a post or may be used as a restorative material for prepared teeth. *Build-It F.R.* core build-up material is designed to work with the Bond-1® Primer/Adhesive System for bonding to dentin, enamel and posts, the Cement-It® Universal C & B Resin Cementation System for the cementation of posts and the FibreKor® Post System.

When other adhesive systems are used, be sure to follow the manufacturer's instructions for the treatment of dentin/enamel and posts for cementation.

LOADING THE DISPENSER

1. Push up the small lever in the back of the Dispenser Gun and make sure the slide (serrated side facing down) is inserted completely into the Dispenser Gun.
2. Lift the plastic hinged cover on the top of the gun and insert the cartridge. **NOTE:** A notch on the bottom of the cartridge aligns with the notch on the Dispenser Gun. Push down firmly on the hinged cover to lock the cartridge in place.
3. Before attaching the mixing tip, remove the cartridge cap by turning it 90° counter clockwise, pull and remove. Dispense out a pea size amount of material and discard.
4. Line up the notch on the mixing tip with the corresponding notch on the cartridge flange. Push the mixing tip onto the cartridge and turn it clockwise 90° until it locks into position. If desired, an intra-oral tip can be inserted into the open end of the mixing tip.
5. Pull the trigger of the Dispensing Gun with even pressure to dispense *Build-It F.R.* material.
6. **TO REMOVE THE CARTRIDGE:** Push up the lever on the back of the Dispenser Gun and pull the slide back all the way. Lift the hinged cover up on the top of the gun and remove the cartridge.
7. **Leave the mixing tip on the cartridge until next use. The tip serves to seal the cartridge.**

If using the syringe:

Each time you use the *Build-It FR's* automix syringe, it is essential to insure that the core material is flowing evenly from both base and catalyst sides. This is especially important the first time the syringe is used, as settlement during shipping may have changed the level of core material in one side of the syringe, relative to the other side.

Please observe the following procedures when using this syringe:

1. Prior to placing the mixing tip observe the level of core material in the adjoining orifices.
2. If the level is not the same in both orifices, bleed excess material from the syringe until both sides flow evenly. The mixing tip can now be safely placed on the syringe.
3. To stop the flow of material through the mixing tip orifice, do not retract the plunger, as this may pull mixed material back into either side of the syringe and cause it to plug up. Instead, remove and then replace the mixing tip from the syringe end. This action will relieve pressure inside the mixing tip and stop the excess material from extruding.

DIRECTIONS FOR USE:

CORE BUILD-UP

1. Isolate the tooth with a rubber dam.
2. Apply 37% Acid Etch Gel to the exposed dentin and enamel surfaces. Allow it to sit for 20 seconds.

3. Rinse the tooth with copious amounts of water to remove the etchant. Lightly blow dry to remove excess moisture. **Do not over-dry, leave the surface moist.**
4. Apply 2 consecutive coats of *Bond-1* Primer/Adhesive within 10 seconds to the dentin and enamel. Gently air dry to remove the solvent. The surface should be shiny with resin.
5. Light cure for 10 seconds.
6. **A. If using a matrix band:** place a matrix band around the prepared tooth. Place the end of the mixing tip directly onto the surface of the preparation* and dispense *Build-It F.R.* material. Allow 4 minutes setting or light cure the lingual, facial and occlusal aspects for 40 seconds, each.
B. If using a core form: place the mixing tip directly into the core form and dispense *Build-It F.R.* material. Place the loaded core form onto the prepared tooth and hold in place for approximately 4 minutes until *Build-It F.R.* material is fully set. Alternatively, you can light cure the facial, lingual and occlusal aspects for 40 seconds, each.
7. Prepare and finish the core in the usual manner using diamond and carbide burs.

*This forces the material through the air inhibited layer.

IMPORTANT NOTICE: If you are using a resin based temporization material (e.g.- Flex-Span™ Temporary Crown & Bridge Material) over the *Build-It F.R.* core, you must put a separating medium (petroleum or KY jelly) on the core to prevent the temporary material from adhering to it.

POST CEMENTATION

1. Apply 37% Acid Etch Gel via a needle tip to the post hole preparation. Allow it to sit for 20 seconds.
2. Flush the post hole with a copious amount of water and lightly blow dry. Use paper points to remove any excess moisture. **Do not over-dry, leave the surface moist.**
3. Dispense 1 drop of *Bond-1* Primer/Adhesive via needle tip syringe into the post hole preparation. Allow it to sit for 20 seconds.
4. Wick out any excess with a coarse absorbent paper point. **Do not leave any pools of bonding agent.**
5. Brush 2 coats of *Bond-1* Primer/Adhesive onto the metal post. Dry with a jet of air, Light cure each surface for 10 seconds. Do not touch the post with your hands. (If cementing a *FibreKor* Post, please refer to the *FibreKor* Post Instructions for Use for the cementation procedure.)
6. Coat a Lentulo Spiral or paste filler with *Build-It F.R.* material. Place the spiral into the post space and spin the *Build-It F.R.* material along the canal walls while removing the spiral.
7. Insert the post into the post space allowing the excess *Build-It F.R.* material to vent. Remove the excess *Build-It F.R.* material.
8. Allow 4 minutes for the *Build-It F.R.* material to set before trimming the post. Alternatively, you can light cure the occlusal aspect for 10 seconds and then trim the post. Either way, *Build-It F.R.* material requires 4 minutes to set in the post space.
9. Fabricate your core following the instructions above.

ORDERING INFORMATION

Build-It F.R. Fiber Reinforced Core Build-up Intro Kit

REF N32

1 - 25ml/48gm cartridge A2,
Mixers, Intra-oral tips,
Instructions & MSDS

Build-It F.R. Fiber Reinforced Core Build-up Refills:

25ml/48gm cartridge	A2	REF N32AA
25ml/48gm cartridge	A3	REF N32AE
25ml/48gm cartridge	GOLD	REF N32AB
25ml/48gm cartridge	BLUE	REF N32AC
25ml/48gm cartridge	OP. WHT	REF N32AD

Bulk Refills:

50ml/90gm cartridge	A2	REF N32BA
50ml/90gm cartridge	A3	REF N32BE
50ml/90gm cartridge	GOLD	REF N32BB
50ml/90gm cartridge	BLUE	REF N32BC
50ml/90gm cartridge	OP. WHT	REF N32BD
- 25ml Dispenser gun		REF N32B
- 50ml Dispenser gun		REF N37H
- 48 Mixing tips		REF N32C
- 48 Intra-oral tips		REF N32D
- 48 Wastesavers- blue <i>(available in 25ml only)</i>		REF N32E

Build-It F.R. Mini-Mix System

Build-It F.R. Auto-Mix

Syringe Kit

REF N32F

5 - 4ml/8.6gm Syringes A2, A3,
Gold, Blue, Opaceous White
Accessories, Instructions, MSDS

Build-It F.R. Auto-Mix Syringe

Refill Kit

4 - Auto-mix syringes of one of the
following shades: (includes
Accessories, Instructions & MSDS)

4ml/8.6gm syringe	A2	N32FA
4ml/8.6gm syringe	A3	N32FB
4ml/8.6gm syringe	GOLD	N32FC
4ml/8.6gm syringe	BLUE	N32FD
4ml/8.6gm syringe	OP. WHT	N32FE

- 48 Mixing tips/ 48 Intra-oral tips	N32GA
- 100 Mixing tips/ 100 Intra-oral tips	N32GB