

**Strengthen your core with Build-It® Core Materials!**

The *Build-It* family of core materials provides the ideal combination of strength, versatility, shade selection, and curing modalities to accommodate all core material preferences.

Whether you prefer the dual/self-cure flexibility of *Build-It FR*, or the high depth of cure of *Build-It Light Cure*, Pentron Clinical puts you in complete control of your core build up procedures.

**The *Build-It* family of core materials:**

- > *Build-It FR* Core Material 25ml Cartridge Delivery System
- > *Build-It FR Mini Mix* Delivery System
- > *Build-It Light Cure* Core Material
- > *Build-It* Core Forms

**Build-It® Core Material Physical Properties**

**Build-It® FR™ Core Material (Light Cured)**

Compressive Strength (MPa):	<b>358</b>
Flexural Strength (MPa):	<b>119</b>
Vickers Hardness:	<b>45</b>

**Build-It® FR™ Core Material (Self Cured)**

Compressive Strength (MPa):	<b>329</b>
Flexural Strength (MPa):	<b>129</b>
Vickers Hardness:	<b>45</b>

**Build-It® Light Cure Core Material**

Compressive Strength (MPa):	<b>272</b>
Flexural Strength (MPa):	<b>189</b>
Vickers Hardness:	<b>63</b>

What doctors are saying about **Build-It® FR™ Core Material**



*When I need a reliable core material, I just reach for Pentron's Build-It. It's easy to place, easy to adapt, and has the strength necessary to support any fixed prosthesis. Build-it has been a part of my clinical "tool belt" for years and is one of those products I don't want to be without.*



**John C. Flucke,**  
DDS



*Build-It FR flows easily into the preparation when injected and the dual-cure nature allows me to bulk fill core buildups and quickly cure the material. The fiber reinforcement provides a durable buildup that cuts like dentin.*



**Gregori M. Kurtzman,**  
DDS, MAGD, FPFA,  
FACD, DICOI

**Build-It®**  
Core Material

**Ordering Information**

**Build-It® FR™ Fiber Reinforced Core Build-Up Material Kit** REF N32

*Kit includes 25ml Auto-Mix Cartridge A2, Build-It FR Dispensing Gun, Instructions and Accessories*

**Build-It® FR™ 25ml Refills**

A2	REF N32AA	Gold	REF N32AB
A3	REF N32AE	Opaceous White	REF N32AD
Blue	REF N32AC		

**Build-It® FR™ 25ml Accessories**

1 – 25ml 1:1 Dispensing Gun	REF N32B
48 – Intra-Oral Tips - Yellow	REF N32D
48 – Wastesaver Tips - Blue	REF N32E

**Build-It® FR™ Mini-Mix™ Fiber Reinforced Core Build-Up Material Kit** REF N32F

*Kit includes 5 – 4ml Syringes (A2, A3, Blue, Gold, & Opac. White), Instructions and Accessories*

**Build-It® FR™ Mini-Mix™ 4pk Refills**

A2	REF N32FA	Gold	REF N32FC
A3	REF N32FB	Opaceous White	REF N32FE
Blue	REF N32FD		

**Build-It® FR™ Mini-Mix™ Accessories**

1 – 1:1 Auto-Mix Syringe Dispenser Gun	REF N75S
48 – Mixing Tips / 48 – Intra-Oral Tips	REF N32GA
100 – Mixing Tips / 100 – Intra-Oral Tips	REF N32GB

**Build-It® FR™ Light Cure Core Build-Up Material - Syringe Kit** REF N32T

*Kit includes 2 – 2.2ml / 5gm Syringes and Instructions*

**Build-It® FR™ Light Cure Core Build-Up Material - Single Dose Kit** REF N32U

*Kit includes 30 – 0.25gm Single Doses and Instructions*

**Single Dose Dispenser Gun** REF N75A

**Build-It® Core Forms** REF N38

*Kit includes 150 Core Forms (25 each of sizes 1–6), Handle and Instructions*

**Build-It® Core Forms Refills**

#1-Anterior Small	REF N38AA	#4-Large Canine	REF N38AD
#2-Anterior Medium	REF N38AB	#5-Small/Medium Molar	REF N38AE
#3-Premolar	REF N38AC	#6-Large Molar	REF N38AF

For more information on our entire line of innovative dental products visit us at [www.pentron.com](http://www.pentron.com) or call us at **1.800.551.0283**

Compressive strength, flexural strength, and fracture toughness data courtesy of Carlos A Muñoz-Viveros, DDS, MSD and Marc Campillo, PhD. Vickers hardness data by Weitao Jia.

2006 Dental Townie Choice Awards awarded to *Build-It FR*  
 2006 Dental Advisor Preferred Product awarded to *Build-It FR* and *Build-It* Core Forms  
 2009 Reality Four Star Award awarded to *Build-It FR* and *Build-It* Core Forms  
 2010 Dental Product Shopper Recommended Award awarded to *Build-It FR* Light Cure

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**Build-It® Core Materials**

*—the right tools for building stronger cores!*



- Build-It® FR™ Fiber Reinforced Core Material
- Build-It® Light Cure Core Material
- Build-It® Core Forms



## Post Cementation & Core Build-Up



After etching and bonding with Bond-1 Primer Adhesive, Build-It FR is injected into the post canal.



A FibreKleer Serrated Post is inserted into the canal and light cured to initiate the set of Build-It FR Core Material.



Build-It FR Core Material flows evenly around the post and onto the preparation without slumping.



Final esthetic core.

## Build-It® FR™ Core Material

Build-It® FR™ Fiber Reinforced Core Material may be one of the most versatile materials in all of restorative dentistry. Formulated to flow and stack without slumping, the material's unique viscosity makes it the perfect core material as well as the ideal post cement.



Specially treated glass fibers give Build-It FR Core Material a compressive strength of 329 MPa for a strong and reliable foundation for your indirect restorations. Designed to offer optimal versatility and performance, Build-It FR Core Material self-cures in minutes or light-cures in seconds to a rock-hard consistency that cuts like dentin without ditching. Choose from shades A2, A3, Opaceous White, Gold, and Blue in either 25ml auto-mix cartridges or 4ml Mini Mix™ syringes.

### Only Build-It® FR™ Core Material delivers all of the following:

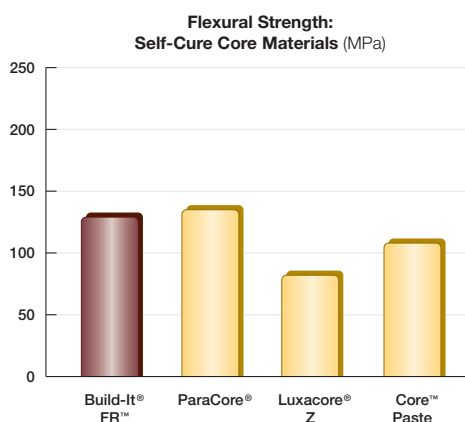
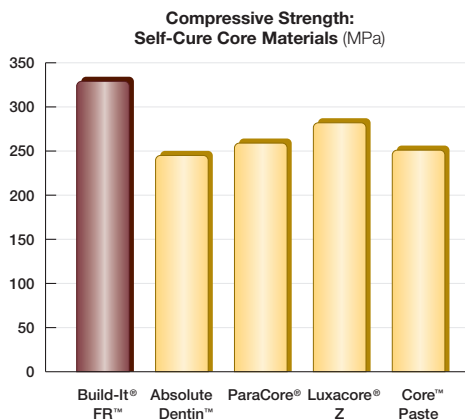
- > **Dentin-like properties** - trims like tooth structure without ditching.
- > **Chopped glass fiber filler** - provides a compressive strength of 329 MPa for durable, long-casting cores.
- > **Easy handling** - flows where you want it to without slumping.
- > **Dual cure** - puts you in control of the setting time.
- > **Two dispensing options** - dispense from either 25ml auto-mix gun or 4ml Mini-Mix syringes.
- > **Versatile** - use as a core build-up material and for FibreKleer® and FibreKor® Post cementation.
- > **Multiple shades** - Three esthetic dual-cure shades (A2, A3, & Opaceous White) or two self-cure contrast shades (Gold, Blue).



When I am not fixing computers or teaching the latest technologies, I am restoring compromised teeth. Build-it FR has been my first choice for many years due to its consistent results and ease of use.



Paul Feuerstein, DMD  
Technology Editor,  
Dental Economics



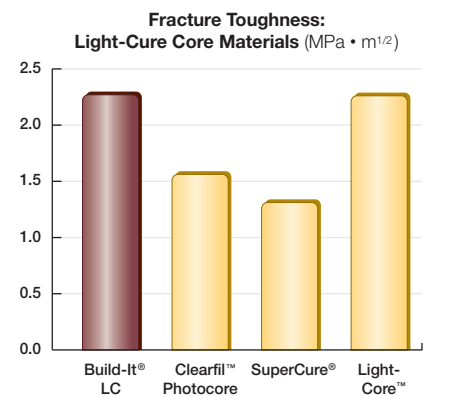
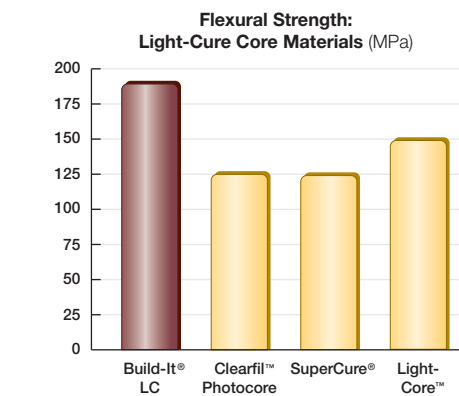
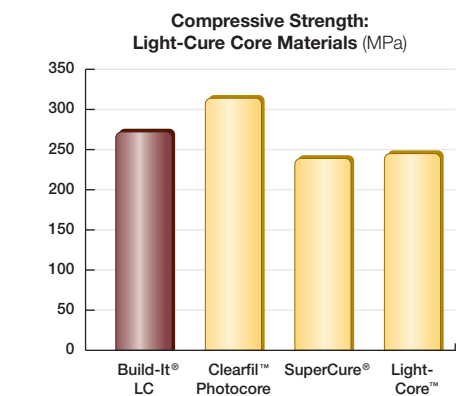
## Build-It® Light Cure Core Material



Build-It® Light Cure Core Material is specifically designed for clinicians that favor the on-command cure afforded by light cure core materials. The high translucency of Build-It Light Cure enables a 10mm depth of cure without the need of building up incremental layers with as little as 20 seconds curing time per surface. Furthermore, once Build-It Light Cure is polymerized, it behaves just like original Build-It FR Core Material; outstanding physical properties and the ability to prep like dentin without ditching. A proprietary new BisGMA-free resin promotes non-sticky, sculptable handling enabling quick and easy adaption to the tooth and post.

### Only Build-It® Light Cure Core Material delivers all of the following:

- > **10mm depth of cure** - streamlines placement and shortens procedure time.
- > **Two delivery options** - available in syringe or single dose
- > **Ideal hardness** - preps like dentin to minimize ditching when transitioning from core material to tooth structure
- > **Highly radiopaque** - enables unmistakable detection on radiographs
- > **On command light-cure** - offers complete control of set time intraorally
- > **Compatible with 4th-7th generation bonding agents** - enables you to use your preferred bonding agent
- > **BisGMA-free resin** - contains no bisphenol A



The combination of Build-It FR and the new Build-It Light Cure provides the clinician with all the tools necessary to do quick, easy, extremely strong high quality core buildups at a relatively low cost per use. Build-It Light Cure complements the original formulation with its excellent handling characteristics and its extremely deep depth of cure. We have used no other core materials in over a decade.



Gary L. Henkel,  
DDS, MAGD



## Build-It® Core Forms

Build-It® Core Forms are the ideal way to quickly and efficiently fabricate perfectly shaped cores. These disposable, transparent core forms come in six pre-contoured shapes to accommodate virtually all your core build up situations. Simply fill

- > **Pre-Contoured** - creates perfectly shaped cores
- > **Transparent** - enables light activation of light cure and dual cure core materials

the Build-It Core Form with your core material of choice, place it onto the preparation, and light cure or wait for your material to chemical cure. Once your core is polymerized, remove the core form and you're ready to go.

- > **Flexible** - permits easy removal after polymerization
- > **Six sizes** - provides an assortment of sizes to address virtually all core build up needs

