

## INSTRUCTIONS FOR USE

SEE OTHER SIDE  
FOR MSDS SHEET

### PARKELL PRODUCT INFORMATION

### ABSOLUTE DENTIN™

Dual-Cure Core Material

Tooth Shade	Stock No. S301
Arctic White	Stock No. S300
Blue	Stock No. S307
Dispensing Gun	Stock No. S343

*CAUTION: U.S. Federal Law restricts this material to sale by or on the order of a licensed professional.*

**STORE IN REFRIGERATOR. AVOID FREEZING.**

### DESCRIPTION:

Parkell's ABSOLUTE DENTIN™ is a dual-cure, radiopaque composite resin material intended for core fabrication. It is highly filled with a barium/aluminum/fluoride glass and supplied in convenient, 50ml automix cartridges. The material handles well and "feels" much like dentin when prepared with rotary instruments. ABSOLUTE DENTIN is available in a tooth shade version (similar to A2), opaque white and blue so that it can be easily distinguished from surrounding tooth structure. The tooth shade is recommended for use under ceramic or all-composite restorations for best cosmetic results. The material is compatible with all currently available bonding systems including Parkell's 4-META-based bonding agents.

### DIRECTIONS:

1. Apply preferred dentin bonding agent to properly prepared tooth following instructions for that material.
2. Insert AutoMix Cartridge of ABSOLUTE DENTIN into any impression gun that will accept the split style cartridge (e.g. Parkell gun #S343). Remove and discard the sealing cap from the cartridge and before attaching the mixing tip express 3 to 4 mm of core material to ensure an even flow of both base and catalyst pastes.
3. Attach and lock a mixing tip onto the AutoMix Cartridge. (If preferred, an intra-oral tip may be inserted at this time.) Now dispense and discard an additional 3-4mm of mixed material to confirm complete mixing of base and catalyst pastes. ABSOLUTE DENTIN is now ready for dispensing onto a prepared tooth.
4. Dispense mixed core material onto the tooth that has already received an application of bonding agent. A matrix band may be used to contain the material on the prepared tooth OR if a core former is preferred, fill the form with the core material and press the loaded former onto the adhesively prepared tooth. Leave used mixing tip in place to serve as the sealing cap between uses. (Note: If preferred mixed Absolute Dentin can be expressed through the mixing tip into a Centrix tip for placement with a Centrix gun.)
5. The core material will achieve autocure in about 4 minutes. If light curing is preferred, ABSOLUTE DENTIN will reliably cure to a depth of 2mm with a 40s exposure to a curing light. The light initiator is camphorquinone, which has a curing range of between 400 and 520nm, with a peak between 460 and 480nm. A light-curing device that can activate this range will polymerize this material. Check with the manufacturer of your light for its light activation range.
6. Once fully cured, prepare the core as usual with rotary instruments of choice.

### PRECAUTIONS:

Store in a cool, dry place. For longest life refrigeration is preferred. AVOID FREEZING.

### HINTS:

Rubber dam recommended.

The material handles best at room temperature, so after removal from the fridge, allow ABSOLUTE DENTIN to warm. Cold material may be difficult to express through mixing tips, and take longer to cure.

### CONTRAINDICATIONS:

It is CONTRAINDICATED for use on or by persons who are methacrylate sensitive. This material should not be swallowed .

### WARRANTY:

Parkell will replace defective material. This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

**Parkell, Inc. - 300 Executive Drive, Edgewood, NY 11735 USA**  
**(631) 249-1134 Fax: (631) 249-1242 • WEB: [www.parkell.com](http://www.parkell.com) • E-Mail: [info@parkell.com](mailto:info@parkell.com)**



**European Authorized Representative:** (Not a dealer/distributor)  
MDCI Ltd. Arundel House, 1 Liverpool Gardens Worthing, West Sussex BN11 1SL, UK

A00361revE-407