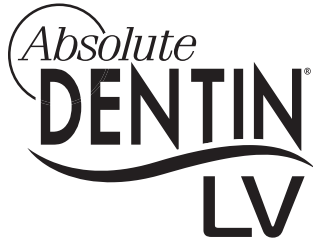


INSTRUCTIONS FOR USE

Rx Only
For Safety Data Sheet (SDS) go to www.parkell.com



Composite Core Restorative
with Nano-filler

Super White Shade (S298)
Tooth Shade (S299)

parkell

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STORE THIS PRODUCT TIGHTLY SEALED, AWAY FROM EXTREME COLD (BELOW 39°F/4°C), DIRECT LIGHT, OR HIGH HEAT (ABOVE 77°F/25°C).

Refrigeration is acceptable but not essential. Do not freeze. Bring chilled material to room temperature before use. Do not store near eugenol-containing materials.

PRODUCT DESCRIPTION

Absolute Dentin® LV is a strong, highly-radiopaque, nano-filled, dual-cured, core composite restorative material. It is manufactured via a process that involves no BisPhenol A (BP-A) or any associated precursors or by-products. The presence of Parkell's nano-filler gives cores constructed with "AD-LV" high compressive, tensile and flexural strength for the most demanding restorative situations. Its flowability provides excellent adaptation to irregularly-shaped post/core preparations, core formers or matrix bands. Cured material "cuts" like dentin with rotary diamond instruments, resisting bur ditching.

Absolute Dentin LV will light-cure to a depth of 3-4mm in 40 seconds with any dental curing device producing light from 430-480nm at an intensity of >600 mW/cm². It will also completely self-cure to any depth in 4-5 minutes at mouth temperature.

INDICATIONS FOR USE

Absolute Dentin LV is indicated for strong composite core restorations or luting of endodontic posts, where a precise shade match is not critical, but high strength is required. Importantly, the process by which we manufacture "AD-LV" involves no BP-A.

CONTRAINDICATIONS FOR USE

Absolute Dentin LV is contraindicated for use on or by persons who are sensitive to acrylates, methacrylates or related monomers.

PARKELL'S ABSOLUTE DENTIN LV INTRO KITS (S298 OR S299) ARE SUPPLIED WITH:

- 1 - 5ml (11gm) hand-squeezed auto-mix cartridge of Absolute Dentin LV dental core composite (**no dispensing gun is required for use**).
- Brown-base 1:1 mixing tips (Refill Stock No. S328).
- Snap-in intra-oral tips (Refill Stock No. S329).
- Snap-in intra-oral root canal tips (Refill Stock No. S335)
- Instructions for Use.

AVAILABLE SHADES ARE:

- "Super White Shade" Single Pack (Stock No. S298).
- "Dentin Shade" Single Pack (Stock No. S299).

PHYSICAL PROPERTIES AND WORKING PARAMETERS

Compressive Strength	385 Mpa
Flexural Strength	140 Mpa
Barcol Hardness	75-78
Radiopacity (vs. Aluminum)	150%
Work Time of Self-cure (25°C)	1-2 min
Set Time of Self-cure (37°C)	<=5 min

CLINICAL PRECAUTIONS AND WARNINGS

- The clinical requirements of the patient must be considered prior to selecting any restorative material.

- Absolute Dentin LV is for dental use only, and should be kept away from children.
- The material is not for internal consumption, other than as a cured restorative material.
- Contact between this product and sensitive or inflamed human soft tissues (mucosa, eyes, nose, etc.) may cause irritation, dermatitis or inflammatory reactions. If this occurs, discontinue use, flush the area with copious amounts of water and obtain professional medical care.
- Use a rubber dam, proper intra-oral evacuation, and other suitable isolation methods to prevent contamination of restorations by saliva, blood or other fluids.
- This product may generate significant heat when setting in large masses. The amount and timing of this heat depends on the volume of material. Take appropriate steps to cool the material if heat is detected, and do not leave the patient alone during curing.
- After initial use, discard the shipping cap and store the cartridge in a cool, dark place, with the used mixing tip tightly screwed on as a seal. Do not replace mixing tip until ready for next use.
- Absolute Dentin LV is sensitive to light. Excessive exposure will shorten working time and result in premature polymerization. Protect restoration from ambient light until ready to light-cure.
- Use of some medicaments (desensitizers, varnishes, liners, products with eugenol) under this material is not recommended, as they may reduce bond strength or inhibit resin curing.
- Avoid contamination of product and packages. Do not mix this product with other materials, and do not return dispensed material to its original container. Dispose or disinfect all components that contact patient fluids following accepted infection control protocols and applicable regulations.
- Do not force the intra-oral tip into the soft tissues, as it is not an injector.
- Working time, setting time, chemical activity and shelf life of the product are estimates. They will vary based upon temperature, humidity, age and storage conditions, among other parameters, and will be reduced if the material is not stored properly.
- Excessive or intense squeezing force on cartridge-dispensing guns may cause gun breakage or cartridge cracking. Slow and steady force is preferred for dispensing these materials.
- Consult the online Safety Data Sheet (SDS) at www.parkell.com for advice on safe handling.

CLINICAL HINTS WHEN USING ABSOLUTE DENTIN LV

1. These materials may be used to fabricate core buildups over existing endo posts, or to fabricate "monobloc" restorations where the resins act as the endo post luting agent and the core-buildup material. Obtain appropriate education prior to performing these procedures.
2. Compressing the occlusal surface of the material in the matrix band with an alcohol-lubed gloved finger will assure good adaptation between the restorative material and the prep.
3. This product will bond to or interact with other resins and some impression materials. Test all materials before using them in conjunction with this material.
4. To prevent a temporarily-cemented temporary crown from "locking on" to a prepped resin core, disinfect the prep and lubricate the core with water-soluble lubricant before cementing the temporary prosthesis to the prep. This will prevent leakage and discoloration under the temporary during temporization, and permit easy removal of the temporary crown at the insertion visit.