

# DenTASTIC® UNO™

Single Component Light Cure Dental Adhesive

# DenTASTIC® UNO™ • DUO™

Simplified Dual Cure Dental Adhesive

DenTASTIC UNO is a 5th generation, light cure dental adhesive system. DUO is the dual cure catalyst for DenTASTIC UNO. Use UNO alone for light cure applications, or mix two drops of UNO with one drop of DUO, and the result is a dual cure adhesive for use with all self-cure and dual cure procedures, indirect restorations, and for bonding to composite core materials. DenTASTIC UNO and UNO-DUO contain the patented PMGDM adhesive technology.<sup>1,2,3</sup>

## PRODUCT DESCRIPTION

5th generation dental adhesive system with both single component light cure and two-component dual cure capability.

## INDICATIONS

An adhesive for use with light cure, self-cure, and dual cure dental composite materials

## CONTRAINDICATIONS

Not for direct placement on the exposed pulp

## INSTRUCTIONS FOR USE

**UNO: Direct Bonding of Light Cure Composite to Dentin/Enamel, Porcelain, Metal, and Previously Cured Composite**

1. Prepare surface for bonding
  - a. Tooth: Isolate, clean and prepare tooth for a restoration. Place pulp protection if indicated.

1. Patents assigned to the American Dental Association Health Foundation. Bowen RL, U.S. Patent Nos. 4,514,527; 4,521,550; 4,588,756; 4,659,751; 5,270,351; 5,320,886; 5,401,783; 5,789,610. Dickens S, U.S. Patent Nos. 6,001,897; 6,114,408.

2. Bowen RL, Marjenhoff WA. Development of an adhesive bonding system. Operative Dentistry 1992, Supplement 5:75-80.

3. Venz S, Dickens B. Modified surface-active monomers for adhesive bonding to dentin. Journal of Dental Research 1993;72(3):582-586.

- b. Porcelain: Remove loose porcelain and contour as necessary.
  - c. Metal: Sandblast metal surface or lightly abrade with diamond bur. Tin plate sandblasted surface of high precious alloys for superior results. Rinse and dry.
  - d. Previously Cured Composite: Lightly abrade the old composite surface with a diamond bur.
2. Etching
- a. Etch dentin 15 seconds and enamel 20 seconds with Etch-Rite, 38% phosphoric acid gel. Rinse completely. Leave dentin slightly moist.
  - b. Etch porcelain Pulpdent Porcelain Etch Gel, 9.6% hydrofluoric acid, for 60 seconds or as instructed by porcelain manufacturer. Place rubber dam for intra-oral use. Rinse well and dry completely. Keep this surface dry. Apply Silane to etched porcelain surface and dry with clean, moisture-free air.
  - c. Etch old composite with Etch-Rite, 38% phosphoric acid gel, for 15 seconds. Wash and dry.
3. Place two drops of DenTASTIC UNO™ into a mixing well.
- a. For teeth, apply a generous first coat, gently apply air for 5 – 10 seconds to remove solvent, and then apply a second coat and gently apply air to remove solvent, but do not thin the adhesive layer. The adhesive will thicken as the solvent dries off. Maintain a thick layer of adhesive on the dentin surface.
  - b. For porcelain, metal, and old composite, apply one generous coat to the porcelain surface. Remove solvent with a gentle stream of air, but do not thin the adhesive layer. The adhesive will thicken as the solvent dries off.
4. Light cure UNO for 10 seconds.
5. Place composite and light cure.

### **UNO + DUO: All Self-Cure and Dual Cure Procedures / Indirect Restorations / Bonding to Composite Core Materials**

MIXING RATIO: Two drops UNO: One drop DUO

- 1. Isolate, clean and prepare the tooth for a restoration. Place pulp protection, if indicated.
- 2. Prepare the mating surface of the restoration for bonding.
  - a. For metal surfaces, micro-etch or lightly abrade with a fine diamond bur, rinse and dry.
  - b. For porcelain, etch with Pulpdent Porcelain Etch Gel, dry completely, and place Pulpdent Silane Bond Enhancer.
  - c. For previously cured composite resin, apply phosphoric acid etch gel for 15 seconds, wash and dry.
- 3. Etch dentin 15 seconds and enamel 20 seconds with Etch-Rite, 38% phosphoric acid gel. Rinse completely. Leave dentin slightly moist.
- 4. For dual cure capability, place two drops of UNO and one drop of DUO, or multiples thereof, in a mixing well.
- 5. For direct restorations with self-cure or dual cure composites, place 2-3 coats of UNO-DUO on the moist dentin and enamel, waiting 5 seconds between coats to allow solvent to evaporate. After

- the final coat, apply clean uncontaminated air to remove solvent. The surface should appear glossy; if not, apply additional coats until glossy surface appears. Light cure UNO-DUO for 10 seconds.
6. For indirect restorations and for composite core materials, apply one coat of UNO-DUO to the tooth surface, thin this surface and remove solvent with air, and light cure for 10 seconds. Apply a second coat of UNO-DUO to the tooth and apply to the mating surface of the indirect restoration. Remove solvent with air. Do not cure this layer.
7. Proceed with cementation of the indirect restoration, or complete the core build up, following instructions for the resin cement or composite core material you are using. Under a restoration, anaerobic self-cure setting time of UNO-DUO is 20-30 seconds. In the presence of air, working time is 3 minutes.

## STORAGE AND HANDLING

- Store tightly sealed in original container at cool room temperature. Avoid direct light, extremes of temperature, contamination and sources of ignition.
- Shelf life of unopened product: 18 months from date of manufacture.
- Re-cap immediately after use.

## CAUTION

Uncured material may cause eye or skin irritation on contact. Dental professionals should wear safety glasses and surgical gloves. Do not exceed manufacturer's recommended curing time for the light you are using.

## REPORTING OF SERIOUS INCIDENTS

Any serious incidents involving the device should be reported to the manufacturer and the Competent Authority of the Member State in which the incident occurred, or other appropriate regulatory body. Reports of serious incidents should be sent to:

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**Note:** Refer to the Safety Data Sheet for a list of materials present in this product.

R<sub>x</sub> only





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 **SCAN ME**  
[www.pulpdent.com/info](http://www.pulpdent.com/info)

	Electronic Safety Data Sheet
EN	Electronic Safety Data Sheet
ES	Ficha electrónica de datos de seguridad
FR	Fiche de données de sécurité électronique
DE	Elektronisches Sicherheitsdatenblatt
IT	Scheda di sicurezza elettronica
DK	Elektronisk sikkerhedsdatablad
NL	Elektronisch veiligheidsinformatieblad
SE	Elektroniskt säkerhetsdatablad
NO	Datablad om elektronisk sikkerhet
FI	Sähköinen käyttöturvallisuustiedote
CZ	Elektronický bezpečnostní list
LV	Elektroniskā drošības datu lapa
LT	Elektroninis saugos duomenų lapas
PT	Ficha de dados de segurança eletrónica
SK	Elektronická karta bezpečnostných údajov
PL	Elektroniczna karta charakterystyki
RO	Fisa electronica cu date de securitate
EE	Elektroniline ohutuskaart
BG	Електронен информационен лист за безопасност
GR	Ηλεκτρονικό δελτίο δεδομένων ασφαλείας



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