

Ultra-Etch®

35% Phosphoric Acid

**Description:**

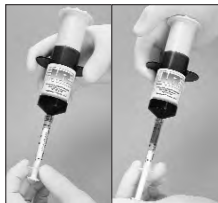
Ultra-Etch® viscous solution (35% phosphoric acid) has been specifically designed to render an optimum level of viscosity. Ultra-Etch is self-limiting in its depth of etch (average depth of 1.5µm with 15 second etch). Ultra-Etch will flow into precise locations with the Inspiral® Brush or Blue Micro® tip (even into occlusal grooves for sealant preparation). They are just viscous enough to prevent migration caused by gravity and also maintain a thick enough layer to prevent premature drying. These etchants contain no glycerin and are designed for rapid and complete removal upon rinsing.

**Indications:**

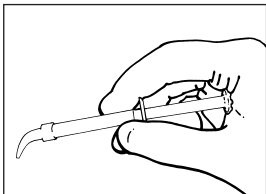
The ideal viscosity combined with the versatility of the Inspiral Brush tip or Blue Micro tip allow placement of the etchant in any location, including lingual approaches to Class III restorations. Ultra-Etch works nicely for etching before bonding composites, sealants, or bonding adhesives. The tips are disposable, helping to prevent cross-contamination.

**Preliminary Procedure:**

1. If using preloaded 1.2ml syringes, proceed as follows:
  - a. Remove luer lock cap from syringe.
  - b. Twist a disposable Inspiral Brush tip or Blue Micro tip securely onto syringe.
2. If using IndiSpense® System, proceed as follows:
  - a. A prelabeled unit dose syringe is attached to the end of the IndiSpense syringe by turning the luer lock of the unit dose syringe snugly onto the male thread of the IndiSpense syringe, as shown in Fig. 1.
  - b. Using the palm grasp (Fig. 2), the plunger of the IndiSpense syringe is depressed while the unit dose syringe is stabilized at the plunger with the non-dominant hand. Do not express contents of unit dose syringe back into IndiSpense. To prevent cross-contamination, a used syringe should not be reattached to the IndiSpense syringe.
  - c. If loaded syringe is not to be used immediately, replace the lock cap or attach tip covered with a TipSoc™ cover.
  - d. When ready for use, remove the TipSoc cover (or remove the luer lock cap and twist the disposable tip onto syringe), and dispense as indicated.



**Figs. 1 & 2** A 1.2ml unit dose syringe is twisted firmly onto the IndiSpense syringe. While supporting plunger of unit dose syringe with non dominant hand, depress plunger of IndiSpense and fill unit dose syringe to desired level.



**Fig. 3** Hold plunger in palm of hand for optimum control.



**Fig. 4** The Blue Micro tip affords good access even for lingual approach of Class III.



**Fig. 5** Ultra-Etch is designed to flow into occlusal grooves when etching for sealants, yet it is still viscous enough to prevent migration on a vertical surface.

## Procedure:

1. Isolate adjacent tissues and restorations. To assure optimum protection, a rubber dam (DermaDam<sup>®</sup>) or acid barrier/neutralizing medium (EtchArrest) is recommended. Apply a bead or layer of EtchArrest acid barrier on all tissues and/or restorations to be protected. To neutralize the acid, blend EtchArrest into the etchant until its color is no longer identifiable. The neutralized acid is removed by placing the vacuum tip next to the surface and then rinsing with a water spray.
2. If enamel to be etched is not freshly cut, use pumice, disks or diamonds on the area.
3. Make sure areas to be etched are thoroughly rinsed, cleaned, and dried.
4. In areas of close proximity to the pulp, apply Ultra-Blend<sup>®</sup> plus<sup>™</sup> protective base. Complete restoration placement with etch and dentin bonding agent, such as PQ1<sup>®</sup> or PermaQuick<sup>®</sup> dentin/enamel bonding system. Sealing dentin minimizes post-op sensitivity as well as providing a bond.
5. Verify flow of etch before intraoral application. Dispense a small portion of gel onto a pad to familiarize yourself with its viscosity. For optimal control, use the palm grasp (Fig 3).
6. Place the tip against the surface to be etched. Slowly dispense the viscous solution while the tip is in motion. With a little practice, one can lay a fine line or paint a thin layer of viscous etch limiting it to the areas to be etched (Fig. 4 & Fig. 5). This conserves gel and prevents acid from being spread injudiciously.

Most clinicians prefer using Ultra-Etch to etch both enamel and dentin. If using this procedure, apply to dentin and enamel for 15 seconds. Rinse thoroughly with water spray while vacuuming to remove etchant. Dry with clean, dry air. Make sure freshly etched surface is not contaminated with saliva, water or anything else so as to optimize maximum penetration of bonding system into dentin/enamel surface. PrimaDry<sup>®</sup> should always be used prior to sealant placement. Use a quality dentin bonding agent such as the PermaQuick or PQ1 System, rather than PrimaDry for other restorations.

### Precautions:


1. Experiment with the application of Ultra-Etch on a mixing pad or a glass slab, BEFORE use on patients so as to become familiar with the ease with which the viscous solution moves from the tip. Never use intraorally before checking flow from tip. Never use force on plunger to start flow intraorally; this could result in a subsequent uncontrolled discharge of material. If resistance to flow is experienced, DO NOT proceed. Replace with new tip and verify flow before use on patient.
2. Remember that any strong acid such as phosphoric acid can burn and irritate tissues. Be careful not to splash into eyes, onto mucous membranes, skin or any other areas. Confine to areas to be etched only. Any other area of exposure should be immediately rinsed with copious amounts of water.
3. Do not deliver Ultradent etchant through any brush tip other than the Inspiral Brush tip.
4. We recommend using Ultradent® Syringe Covers sealed with the Impulse Sealer for a protective barrier, preventing cross-contamination.

Key:	Legenda:	Tegnforklaring:	Обозначения:	要點
Legende:	Clave:	Merkkien	Oznaczenia na opakowaniach:	รหัส
Explication:	Legenda:	selitykset:	Anahtar:	主要なシンボル :
Erklärung der Packungssymbole:	Teckenförklaring:	Κλειδί:		


	Use by Date Verwendbar bis A utiliser avant Houdbaarheidsdatum Usare entro la data indicata	Use antes de la fecha de vencimiento. Usar até a data Användes före Bruges inden	Käyttävä ennen Να χρησιμοποιηθεί μέχρι использовать до указанной даты <b>Oznaczenia na opakowaniach:</b> Kullanım süresini geçirmeyiniz.	유효기간 有效期限 ใช้ภายในวันที่ที่กำหนด 使用期限
---	---	--	--	--

	Do not reuse Nur zum Einmalgebrauch Ne pas réutiliser Niet opnieuw gebruiken	Non riutilizzare No re-use Não reutilizar Skall ej återanvändas	Genbruges ikke Älä käyttää uudelleen Να μην επαναχρησιμοποιηθεί Не применять повторно	Produkt jednorazowego użytku Tekrar kullanmayınız. 재사용 불가	不可再次使用 อย่านำกลับมาใช้อีก 再使用不可
---	---	--	--	---	---------------------------------------

REF	Catalog Number Bestell-Nr. Référence du catalogue Catalognummer	Numero di catalogo (codice d'ordine) Número de catálogo Número do catálogo Katalog nummer	Katalognr. Luettelonumero Αριθμός καταλόγου Номер по каталогу	Numer katalogowy Katalog numarası 제번호	目錄編號 เลขที่แคตตาล็อก カタログ番号
-----	--	--	--	---	-----------------------------------

	See Instructions For Use Siehe Gebrauchsinfo Voir le Mode d'Emploi Lees de gebruiksvorschriften Leggere attentamente le istruzioni d'uso	Siga las instrucciones Ver instruções para uso Se bruksanvisning före användning Se bruksanvisning Katso käyttöohjeita Δείτε τις οδηγίες χρήσεως	Смотрите инструкции Перед использованием Przed użyciem zapoznać się z instrukcją Kullanım için talimatları okuyunuz. 사용 설명서	遵照指示使用 อ่านคำแนะนำการใช้ก่อน 使用上の指示事項を参照
---	---	---	---	--

LOT	Batch Code Chargen-Nummer Número de lot Seriecode	Codice di Lotto Código de grupo Código de lote Batch nummer	Batch nr. Eranumero Κωδικός παρτίδας Номер партии	Seria Kod numarası 생산번호	批號 รหัสสินค้า batch code
-----	--	--	--	-------------------------------	--------------------------------

	Corrosive Ätzend Corrosif Bijtend Corrosivo	Corrosivo Corrosivo Korroderande Ætsende Syövyttävä	Δαβρωτικό Разъедающее Srodek żrący Koroziv	부식성 제품 腐蝕物 กัดกร่อน 腐食性あり
--	---	---	---	------------------------------------

HAZARD RATING 4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal



**MSDS Included.**  
**Shelf Life: 48 months.**  
**Store at room**  
**temperature.**

Ultradent syringes have an expiration date stamped on the side of the syringe consisting of one letter and three numbers. The letter is a lot number used for manufacturing purposes and the three numbers are the expiration date. The first two numbers are the month, and the third number is the last number of the year.

---

U.S. federal law restricts the sale of this device by or on the order of a dentist.  
Keep out of reach of children.

For immediate reorder and/or complete descriptions of Ultradent's product line,  
refer to Ultradent's catalog or call Toll Free **1-800-552-5512**.

Outside U.S. call (801) 572-4200  
or visit [www.ultradent.com](http://www.ultradent.com).

© Copyright 2003 Ultradent Products, Inc. All Rights Reserved.

**U<sub>2</sub> ULTRADENT**  
PRODUCTS, INC.

505 West 10200 South  
South Jordan, Utah 84095 USA

#18005.3 082803