INSTRUCTIONS FOR USE

solaetch®

37% phosphoric acid etching gel

Range of indications:
Etching enamel and / or dentin for adhesive fillings.

Application:
As solaetch is a red colour and has a gel-like, firm consistency, it is very easily applied and checked. The curved metal tip applies the gel precisely even in areas which are difficult to access.

Disinfection / Protection from cross-contamination
Place the functioning syringe with the attached delivery tip into a suitably shaped barrier sheath; pierce end of sheath with cannula, exposing the cannula for use. Using a barrier sheath facilitates cleaning and disinfection of the syringe between patients. After use of sheathed syringe, remove delivery tip and sheath by grasping on the hub of the delivery tip through the sheath; twist and remove tip along with sheath. Discard used tip and sheath in the appropriate waste stream. Replace syringe storage cap. Disinfect – After removal of the delivery tip and sheath, disinfect this product using an intermediate level disinfection process (liquid contact) as recommended by the Centres for Disease Control and endorsed by the American Dental Association. Guidelines for Infection Control in Dental Health-Care Settings – 2003 (Vol.52; No. RR-17) Centres for Disease Control and Prevention.

Transferring material from a storage cartridge to a smaller empty application syringe:
Unscrew the sealing cap of the storage cartridge and replace it by an adapter. Screw the empty application syringe onto the opposing side of the adapter. Check to ensure a proper seal. Fill the application syringe by pulling the plunger slowly and steadily. With the other hand, simultaneously press the plunger of the storage cartridge to support the transfer process. Do not overfill the application syringe. Syringes must not be pointed at any persons while transferring material. For hygiene reasons, do not return any material from the application syringe to the storage cartridge. After attaching the application tip to the syringe, it is ready for use
To ensure traceability, write the lot number and the expiration date on the application syringe.
Please note: The application syringe may be used for several patients, but it must only be filled once.

Dispensing and type of application:
Preparation:

Isolate the gingiva and adjacent teeth (e. g. with a rubber dam, Vaseline, matrices). The areas of enamel being etched must be cleaned, rinsed and dried thoroughly. Exposed dentin should be lined as considered best by the operator.

Etching:
Selective-etch technique:
Apply solaetch to the prepared enamel margin absolutely precisely and allow 30 seconds for it to take effect. Then rinse each prepared surface for at least 5 seconds with copious amounts of water and blow the etched surfaces dry with oil-free compressed air. After etching, the surface of the enamel appears chalky-white. If this is not the case, etch again. Do not touch or contaminate the etched area with saliva prior to applying the solabond. Should the etched enamel be contaminated with saliva after drying, re-etch it briefly (approx. 10 seconds). Check for a chalky-white appearance

Total-etch technique
With dentin and enamel bonding products: Apply Etching to the enamel surfaces in the cavity and let it take effect for 15 seconds. Next, fill the complete cavity with etching gel and let it take effect for another 15 seconds. Remove the etching gel by suction. Depending on the size of the cavity, carefully rinse each surface for at least 5 seconds with copious amounts of water. Blow the etched areas dry with oil-free compressed air. Apply the bonding agent and composite as described in the manufacturer's instructions.

Recommended reaction times:

Normal enamel	30 sec
Immature enamel	20 - 30 sec
Fluoridated teeth, deciduous teeth	90 - 120 sec
Dentin	15 sec

Precautions / Warnings:
solaetch contains orthophosphoric acid (37%) Causes severe skin burns and eye damage.
IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. Wear suitable protective clothing, gloves and goggles/face mask when using this product.
Never allow this material to contact the gingiva, exposed dentin or adjacent teeth.

Please note:
If the Selective-etch technique is not being employed, insulate the dentin areas with suitable material. To maintain hygiene, it is essential to use a new application tip for every new application. After use, pull off the application tip and retract the syringe plunger slightly to prevent solaetch running out. Close the syringe tightly after use. To prevent the solaetch drying out, keep the syringe at 10 - 25 °C. Do not use after the expiry date.
For use by dentists only.

turn over►

Interactions with other materials:
As Etching may etch cavity liners (e. g. calcium hydroxide), only use acid-resistant materials.

Side-effects:
With proper use of this medical device, unwanted side-effects are extremely rare. Reactions of the immune system (allergies) or local discomfort, however, cannot be ruled out completely. Should you learn about unwanted side-effects – even if it is doubtful that the side-effect has been caused by our product – please kindly contact us.

Contra-indications / interactions:
If a patient has known allergies against or hyper sensitivities towards a component of this product, we recommend not to use it or to do so only under strict medical supervision. In such cases, we will supply the composition of our medical device upon request. The dentist should consider known interactions and cross-reactions of the product with other materials already in the patient's mouth before using the product.

Note:
Please also consider the safety data sheets.

Package contents:
2 ml syringe

Trouble shooting

Trouble	Cause	Remedy
Material dried, thickened	Syringe was left open	Close syringe tightly after each use
Restoration does not stay attached	Unsuitable polishing paste – oily pastes may leave a film which impedes the etching process	Do not use oily polishing pastes
	Brushing in of the etching gel, danger of "over-etching"	Do not brush in the etching gel, only apply it
	Gel is rinsed off insufficiently, acid residue can negatively influence the polymerisation	Rinse off each surface of the preparation for a minimum of 5 seconds
	Tooth was dried insufficiently or with contaminated air	Use only oil-free compressed air
	Contamination by saliva	Re-etch for Ca. 10 seconds



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