IPS Ceramic Etching Gel

English

Instructions for Use

Description
The use of IPS Ceramic Etching Gel generates retentive bonding surfaces on glass-ceramic restorations as a preparation for cementation. The etch pattern results in enhanced bonding strength between the cementation material and the glass-ceramic.
IPS Ceramic Etching Gel is for professional use only and must not be applied in the oral cavity.

Composition
< 5 % hydrofluoric acid HF

Indication
Etching of the bonding surfaces to increase the micro-retentions on glass-ceramic restorations (leucite, lithium disilicate, Fluorapatite ceramics) as a preparation for incorporation.

Contraindication
– Any application in the oral cavity
– Etching of oxide ceramics (e.g. IPS e.max® ZirCAD)

Processing

Note
Preferably etch the reconstruction immediately before incorporation of the restoration. This prevents contamination during transport or try-in.

1. Apply IPS Ceramic Etching Gel on the surfaces to be etched using a plastic spatula, disposable brush, or plastic application tip.
2. Allow IPS Ceramic Etching Gel to react in accordance with the ceramic material to be etched. Prolonging the reaction time does not additionally enhance the bonding strength between the restoration and the cementation material.

The following etching times have to be observed:

– IPS e.max Press	20 sec.
– IPS e.max CAD	20 sec.
– IPS e.max ZirPress	20 sec.
– IPS e.max Ceram	20 sec.
– IPS Empress® Esthetic	60 sec.
– IPS Empress CAD	60 sec.
– IPS Classic®	120 sec.
– IPS InLine®	120 sec.
– IPS d.SIGN®	60 sec.

3. Subsequently, rinse off the IPS Ceramic Etching Gel from the restoration under running water into a cup (polyethylene approx. 250 ml).
4. Before incorporation, thoroughly dry the ceramic bonding surfaces and apply the bonding agent (e.g. Monobond-S) according to the Instructions for Use in conjunction with the cementation material.

Neutralization of the IPS Ceramic Etching Gel
– To neutralize the diluted solution of etching gel and water, add the neutralizing powder and let it react for 5 minutes.
– 1 measuring spoon of IPS Ceramic Neutralizing Powder is suitable to neutralize the quantity of IPS Ceramic Etching Gel required for a large MOD inlay.
– After the reaction time, pour out the neutralized solution and rinse with copious amounts of water.

Storage
– 12–28 °C (54–82 °F)
– Protected from light

Note
The hydrofluoric acid in IPS Ceramic Etching Gel attacks quartz, silicate and borate glasses, as well as sanitary ceramics and various metals and alloys (e.g. high-grade steel). Nickel, copper, polyethylene, PVC, and Teflon are resistant to hydrofluoric acid.

Shelf life
See label / packaging

Special safety notes for the use of IPS Ceramic Etching Gel:
– **Hydrofluoric acid is highly toxic. It is strongly corrosive and does not cause any warning pain on the surface of skin and mucous membranes, but causes subsequent, painful in-depth effect.**
– **Contact with skin, eyes, and clothing must be prevented at all costs, since the material is extremely toxic and corrosive. In case of accidental skin contact, immediately rinse with copious amount of running water and immediately contact a physician!**
– **Wear acid resistant protective gloves, protective clothing, and goggles when working with IPS Ceramic Etching Gel.**
– **Close package immediately after use.**
– **Neutralize spilled IPS Ceramic Etching Gel with IPS Ceramic Neutralizing Powder and rinse with copious amounts of water.**
– **Store out of the reach of children!**

Date information prepared: 03/2007

These materials have been developed solely for use in dentistry. Processing should be carried out strictly according to the Instructions for Use. Liability cannot be accepted for damages resulting from failure to observe the Instructions or the stipulated area of application. The user is responsible for testing the materials for their suitability and use for any purpose not explicitly stated in the Instructions. Description and data constitute no warranty of attributes.

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