**GLUMA® Comfort® Bond** Instructions for use

**Description**
Gluma Comfort Bond is a light curing, single component bonding agent for use in combination with adhesive restorations. Gluma Comfort Bond was developed for bonding composite, compomer and Polyglas® resins to the tooth structure as well as for bonding amalgams and indirect restorations (e.g. porcelain). Gluma Comfort Bond primes and bonds in one step.

Gluma Comfort Bond is an ethanol based formulation of light-activated, adhesive resins. Prior to the application of Gluma Comfort Bond the tooth structure is conditioned with GLUMA® Etch 20 Gel.

**Composition**
Gluma Comfort Bond contains
- Methacrylate
- Ethanol
- Photoinitiators

GLUMA® Etch 20 Gel contains
- 20 percent phosphoric acid
Indications
1. Bonding of direct composite, Polyglas® and compomer restorations.
2. Bonding of fresh amalgam.
4. Sealing hypersensitive areas of teeth.

Application
1. Bonding of direct composite, Polyglas® and compomer restorations.

Preparation
- It is recommend to use rubber dam.
- Clean tooth with an oil-free polishing paste.
- Prepare cavity according to the regulations of adhesive filling therapy.
- Rinse with water and air dry.
- In case of deep cavities it is recommended to protect the dentin adjacent to the pulp with an adequate cavity lining (e.g. calcium hydroxide preparation and cavity lining of glass ionomeric cement). Take care that only the dentin adjacent to the pulp is covered. The remaining cavity area is spared for the bonding of Gluma Comfort Bond.
Conditioning
Total Etch Technique using GLUMA® Etch 20 Gel.
- Attach a disposable tip to the GLUMA® Etch 20 Gel syringe.
- Beginning with the enamel margins, apply GLUMA® Etch 20 gel to the entire cavity surface (including the dentin) and leave for 20 seconds.
- Rinse GLUMA® Etch 20 Gel thoroughly and remove excess moisture from the preparation with a gentle stream of air for 1 - 2 seconds. Do not dehydrate the dentin. The best bonding effect is obtained when Gluma Comfort Bond is applied to moist and shiny dentin. If you wish to visually verify that enamel etching has taken place and have dried the preparation in order to do so, the entire preparation surface must be re-moistened with water (e.g. a damp pellet) prior to application of Gluma Comfort Bond.

Application of Gluma Comfort Bond
- Apply Gluma Comfort Bond immediately after having removed the excess water.
- Dispense Gluma Comfort Bond into a well, soak the applicator tip or a soft disposable brush, and apply a copious amount to the entire cavity surface.
- Apply two additional coats of Gluma Comfort Bond and wait for 15 seconds.
- Gluma Comfort Bond contains ethanol. Use a gentle air blast to evaporate solvent and water. Solvent and water are evaporated proposly, if surface film stops moving.
during air blasting.
If the whole cavity surface is not uniformly shiny after this step, apply additional coats of Gluma Comfort Bond. Then continue as described above.
- Light cure Gluma Comfort Bond for 20 seconds with a standard lightcuring unit (e.g. Translux®).
- Place restorative material in the cavity according to manufacturer’s instructions.

2. Bonding of fresh amalgam.

Preparation
As described in section 1) except that the cavity should be prepared according to the rules for amalgam restorations.

Conditioning
As described in section 1).

Application of Gluma Comfort Bond
Proceed as described in section 1).
- Place amalgam into the cavity and treat it as described in the manufacturer’s instructions.
3. Bonding of indirect porcelain, Polyglas® and composite restorations (inlays, onlays, veneers, crowns).

Pretreatment of the restoration
• Pretreat the bonding surface of the restoration according to the manufacturer’s instructions.

Conditioning of the prepared tooth-surface
Proceed as described in section 1).

Application of Gluma Comfort Bond
Proceed as described in section 1), avoiding pooling of Gluma Comfort Bond in corners of the cavity floor to prevent problems with fit.
• Light cure Gluma Comfort Bond for 20 seconds with a standard lightcuring unit (e.g. Translux®).
• Use the resin cement (self-curing or dual-curing) according to its manufacturer’s instructions.

4. Sealing hypersensitive areas of teeth

Cleaning of tooth
• Clean tooth with an oil-free polishing paste.
Conditioning of the hypersensitive tooth-surface
Proceed as described in section 1)

Application of Gluma Comfort Bond
Proceed as described in section 1)

- Light cure Gluma Comfort Bond for 20 seconds with a standard lightcuring unit (e.g. Translux®).
- Remove oxygen-inhibited layer by gently wiping with a damp pellet.

If the desensitization effect is not adequate, apply an additional coat of Gluma Comfort Bond as described above and light cure, and remove oxygen-inhibited layer by gently wiping with a damp pellet.

Please note
For dentist use only. Irritating. Gluma Comfort Bond contains methacrylate, GLUMA® Etch 20 Gel contains 20 percent phosphoric acid. Irritates the eyes and skin. Skin contact may cause sensitization. Avoid contact with skin and eyes. In case of accidental contact with skin or eyes immediately rinse with copious amounts of water and consult a physician if necessary. Gluma Comfort Bond contains ethanol. Ethanol is highly flammable. Keep Gluma Comfort Bond away from sources of ignition. Do not smoke. Do not inhale the vapors.
Refrigerator storage is recommended. Do not use the material after the expiry date. Avoid storing in direct sunlight. Always close the container tightly after use and keep out of reach of children.

**Packaging**

Gluma Comfort Bond Assortment:
1 x 4 ml Gluma Comfort Bond light cured, single component bonding agent
2 x 2.5 ml GLUMA® Etch 20 Gel, 2.5 ml each

Accessories

Gluma Comfort Bond Refill:
1 x 4 ml Gluma Comfort Bond light cured, single component bonding agent

Gluma Comfort Bond Single Dose:
40 x 0.1 ml Gluma Comfort Bond light cured, single component bonding agent
Our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as and to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control, and therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide consistent quality of our products within the scope of our General Conditions of Sale and Delivery.