



HOFFMANN'S Silane

Hoffmann's Silane is a two-component coupling agent designed to improve bonding performance in the adhesive fixing of prosthetics made of silicate ceramic or silicon-oxide ceramics or metal (inlays, onlays, crowns, veneers).

Further information:

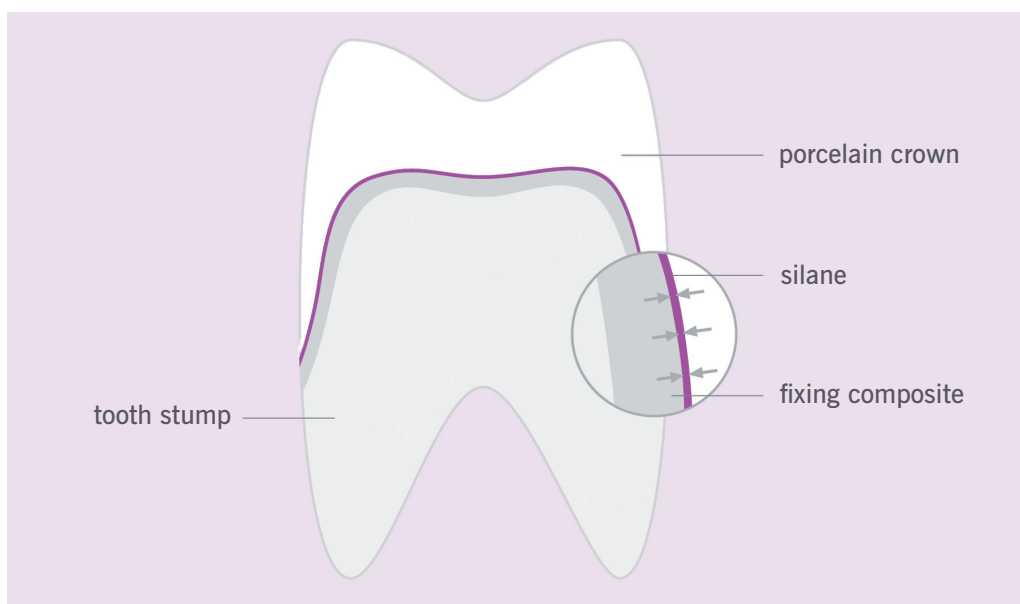
Hoffmann's Silane was developed in collaboration with leading scientists from the Berlin Charité. It has been successfully used in clinical work for twenty years (Roulet 1989, Theiss 2009). If you are interested in literature on Silane, please e-mail your enquiry to: bibliotheek@hoffmann-dental.com.

Advantages over conventional silanes:

- Efficient reaction due to two-liquid system, freshly mixed prior to each application
- Longer shelf-life due to two-liquid system, even after bottles have been opened
- Excellent price-performance ratio

Areas of application:

- Improves bonding performance in the adhesive fastening of prosthetics between silicate ceramics, silicon-oxide ceramics or metal and methacrylate-based fixing composites (composites, compomere, ormocere)
- Acts as bonding agent in the repair of ceramic prosthetics





How it works:

Etching the ceramic surface with hydrofluoric acid aids the bond through micro retentions. Subsequent silanising with Hoffmann's Silane also improves the chemical bond between ceramic and composite with equally good surface wettability of the ceramic with the hydrophobic composite. This avoids blemishes and provides an optimal bonding surface.

Practical application:

Components A and B of Hoffmann's Silane are mixed 1:1. Mixing them immediately before the application ensures that the solution always reacts effectively. Using a brush or cotton pellet, the solution is then applied as a thin film to the surface which is to be silanised. After approx. 30 seconds reaction time, the excess can be removed and after it has dried (preferably in the heating cabinet) the prosthetic can be fixed.

Composition:

Component A: acetic acid in ethanol solution

Component B: 3-Methacryloxypropyl-trimethoxysilane in ethanol solution

Packaging size:

Component A + B 5 ml each

Order number:

82101

HOFFMANN DENTAL MANUFAKTUR

Since 1892 we have been manufacturing medical devices in Berlin for dentists and dental technicians. Particularly our zinc phosphate-based dental cements, invented more than a century ago by the company's founder, Dr. Otto Hoffmann, have earned us a good reputation and trust the world over.

We have preserved our craft traditions combining them with new techniques and adapting them to today's needs. The quality of our materials and raw materials and the care taken in manufacturing and quality control, ensure the best processing techniques in the laboratory and in practice.

Our products are available through specialist retailers.

Hoffmann's customer service is happy to provide the names of local suppliers

+49 (0) 30 85 10 27 3 Mondays to Fridays from 9am to 5pm.