

Heraeus

GLUMA<sup>®</sup> 2Bond

More gain, less pain



GLUMA<sup>®</sup> 

Strong bonding for life.

# GLUMA®

## Strong bonding for life



### 25 years of experience in developing safe and comfortable adhesives

GLUMA from Heraeus is a distinguished brand with a long and successful history: for more than 25 years, GLUMA has supplied dentists all over the world with a wide range of reliable and highly effective adhesives for direct and indirect restorations.

GLUMA is the best choice in terms of bond strength and adhesion. Its handling qualities are also excellent, thus enabling dentists to meet every-day challenges with ease and confidence. GLUMA's outstanding bond strength and handling qualities are proven in numerous clinical studies.

In addition, the modern GLUMA products contain the unique and well-known GLUMA Desensitiser from Heraeus. Immediately effective, it reduces or prevents post-operative sensitivity after the preparation or restoration of teeth. In the last ten years, the GLUMA Desensitiser agent was used in more than 45 million restorations worldwide to effectively reduce hypersensitivity.

# GLUMA® 2Bond – The new two-step, one-bottle bonding system

GLUMA®

Strong bonding for life.

## Effective adhesive plus desensitiser

Based on more than 25 years of bonding expertise, Heraeus developed the new adhesive system GLUMA 2Bond. It meets all modern-day requirements and demonstrates all characteristics that are important for uncomplicated and state-of-the-art bonding.

### With GLUMA 2Bond, dentists gain:

- **More efficiency**  
Due to the special formula, GLUMA 2Bond necessitates only one layer for priming, bonding and desensitising.
- **More security**  
GLUMA 2Bond provides excellent bond strength and ideal marginal sealing due to the innovative chemistry based on nanofillers.
- **More reliability**  
Numerous studies and tests have proven the bonding qualities of GLUMA 2Bond.
- **More convenience**  
GLUMA 2Bond is a ready-to-use, one-bottle system. Simple application without prior mixing.

### With GLUMA 2Bond, patients benefit from:

- **Less irritation**  
The GLUMA Desensitiser inside reduces sensitivity after the preparation or restoration of teeth.
- **Less preparation time**  
GLUMA 2Bond is immediately effective.
- **Less sensitivity**  
GLUMA 2Bond can be used to seal hypersensitive areas of the teeth.

## Suitable for direct and indirect restorations

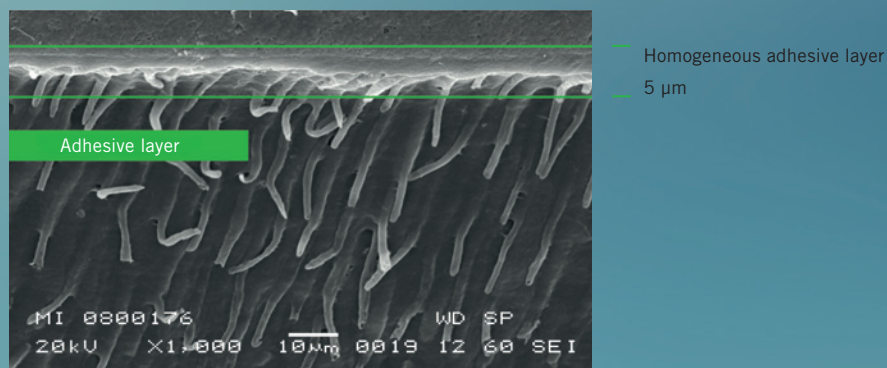
GLUMA 2Bond is the first choice, universal bonding system for almost all everyday indications. It is ideal for:

- **Bonding direct composite restorations**
- **Bonding indirect restorations**
- **Treatment of hypersensitive areas of the teeth**



# GLUMA<sup>®</sup> 2Bond – Excellent results in clinical studies

## Approved formula for optimal safety



The homogeneous adhesive layer formed by GLUMA 2Bond: SEM photograph at 500x magnification

The effective cross-linking of the adhesive and tooth surface is attained simply by air drying. Thanks to its high consistency, GLUMA 2Bond will not be blown away. As a result, a homogeneous, glossy adhesive film forms on the dentine and enamel, providing a basis for excellent, durable restorations.

Since 1984, Heraeus has continually succeeded in developing state-of-the-art adhesive systems: from generating the first enamel adhesive system to establishing today's fourth- and fifth-generation bondings such as GLUMA 2Bond, it has always been one of the most innovative companies in the dental world.

The reliability of our products is not only based on our outstanding expertise and experience but also on our close cooperation with internationally well-known scientists and dentists. Therefore, the marginal sealing and bond strength of the new GLUMA 2Bond was thoroughly tested in clinical studies. Several research groups, such as that of Prof. Breschi, University of Trieste, Italy, or the group of Prof. Haller, University of Ulm, Germany, attested a good reliability of GLUMA 2Bond.

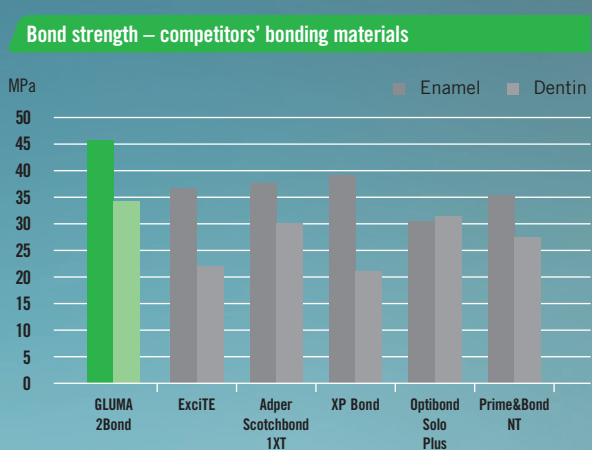
# Ideal bonding and marginal sealing

## Modern nanofillers for verified advantages

The new fifth-generation bonding system is based on modern nanofillers. GLUMA 2Bond produce excellent adhesion to the enamel and the dentine, as well as an optimal marginal sealing. Furthermore, GLUMA 2Bond contains the GLUMA Desensitiser agent, a time-tested, successful glutardialdehyde product. GLUMA 2Bond is ideal for sensitive patients or the desensitisation of hypersensitive areas.

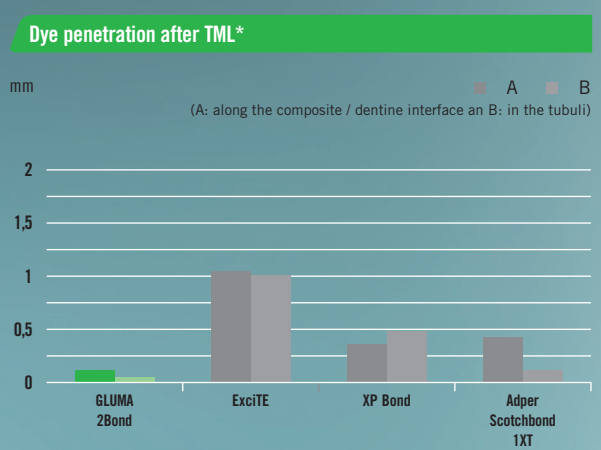
As the charts indicate, the optimal qualities of GLUMA 2Bond were demonstrated in international studies:

### GLUMA® 2Bond – Excellent bond strengths with the GLUMA 2Bond technique



Source: Heraeus Kulzer GmbH, R&D Bondings Wehrheim, Germany

### GLUMA® 2Bond – Outstanding marginal integrity along the composite/dentine interface and in the tubuli



Quelle: Prof. Haller, University Hospital, Ulm, Germany. Unpublished data. Documentation available. \*TML = thermomechanical loading



# GLUMA® 2Bond – Convenient and easy handling

## One layer for priming, bonding and desensitising

The handling of GLUMA 2Bond is uncomplicated and easy: after the etching with GLUMA Etch and following the rinsing, only one layer of GLUMA 2Bond has to be applied. A time-consuming agitation is not necessary. Easy air-drying produces the effective cross-linking of adhesive and dental surfaces. Because of its new formula and special viscosity, GLUMA 2Bond remains stationary on the tooth. The result is a homogeneous, glossy layer on the enamel and the dentine – the guarantee for an excellent, durable restoration.

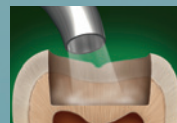
### GLUMA® 2Bond – Step-by-step application



Etch  
Enamel 20 sec. and  
dentine 15 sec.



Rinse with water for  
20 sec.



Air dry



Shake



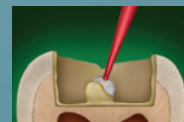
Dispense



Close immediately



Dip brush



Apply once to  
enamel, then to  
dentine



Dwell time 15 sec.



Air dry



Shiny surface  
(or apply additional  
coats)



Light cure for  
20 sec.



# Assortment



Strong bonding for life.

Product Order no.

■ **GLUMA 2Bond Bottle Refill** \_\_\_\_\_ **66040972**  
 1 x 4 ml bottle  
 50 application tips  
 Mixing well  
 Pictorial card



■ **GLUMA 2Bond Value Pack** \_\_\_\_\_ **66040971**  
 3 x 4 ml bottle  
 Pictorial card



■ **GLUMA 2Bond Bottle Assortment** \_\_\_\_\_ **66040973**  
 1 x 4 ml bottle  
 50 application tips  
 Mixing well  
 Pictorial card  
 2 x 2.5 ml syringes GLUMA Etch 20 Gel  
 25 cannulas



■ **GLUMA Etch 35 Gel** \_\_\_\_\_ **66000130**  
 2 x 2.5 ml syringes, 25 cannulas

■ **GLUMA Etch 20 Gel** \_\_\_\_\_ **66000131**  
 2 x 2.5 ml syringes, 25 cannulas

■ **GLUMA Etch 35 Fluid** \_\_\_\_\_ **66000129**  
 1 x 15 ml bottle



Unsere Medizinprodukte sind nach der europäischen Richtlinie 93/42/EWG entsprechend ihrer Klassifizierung mit einem CE-Kennzeichen versehen.

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