

# GC Metalprimer II

ADHESIVE FOR BONDING DENTAL ACRYLICS TO METAL



**PERFECTION ACHIEVED IN  
A WET ENVIRONMENT**

**P**roducing a durable bond between composite veneering materials and metal structures without the formation of marginal gaps is a complicated process prone to error.

For years practitioners have been demanding a product that

- is quick and easy to use without complicated equipment,
- can be used with all dental alloys and acrylics,
- does not expose the adhesive bond to unnecessary heat,
- allows permanent bonding even in a wet environment.

Development of **GC Metalprimer II**, an adhesive for simple bonding of acrylic to metal, focused on meeting these requirements.

## Product characteristics - advantages at a glance

Ease of use in practice was a precondition when developing GC Metalprimer II because time-consuming preparation methods are inevitably prone to operational errors.

This requirement was convincingly realized.

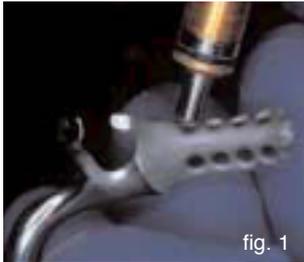


fig. 1

Sandblast metal surface (fig. 1), brush onto the bonding surface GC Metalprimer II (fig. 2), allow to dry and then apply acrylic resin or opaquer to the metal and it's ready (fig. 3).



fig. 2

The method is not only uncomplicated but can quickly and easily be incorporated into the whole procedure.

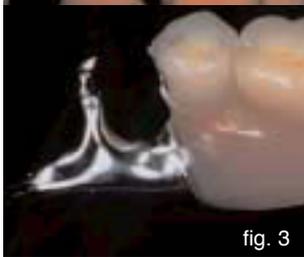
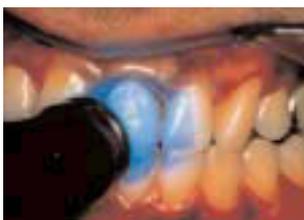


fig. 3

In addition, the cold handling method means that the metal / acrylic bond is not exposed unnecessarily to heat.

Its versatility for different applications is equally impressive in terms of laboratory suitability. GC Metalprimer II allows safe adhesive bonding of all dental alloys, e.g. cast die frames, crown and bridge structures, metal clasps or orthodontic work, to veneer or denture resins.

Its moisture resistance and cold handling method make GC Metalprimer II the ideal

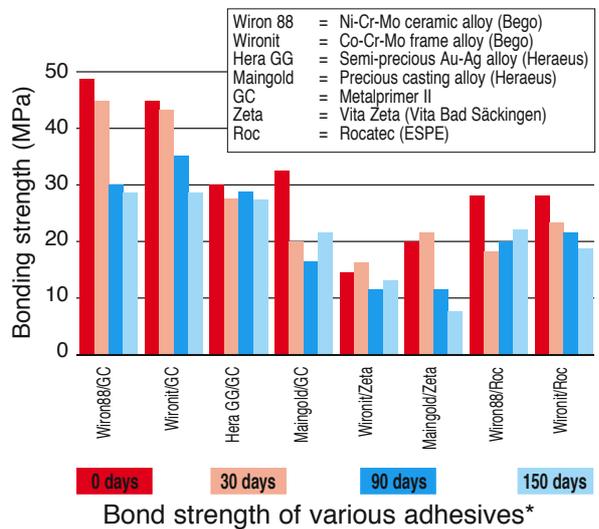


adhesive for repairing chipped veneers directly in the mouth or for bonding composite cements to Maryland bridges.

## The adhesive bond - convincing, the clinical data

Bond strength and stability with regard to hydrolysis determine the ability of adhesives to create a durable, gap-free bond between metal and composite.

Clinical trials prove that reworking the key ingredient MEPS (thiophosphate groups that react chemically with metal and methylacrylate groups) has greatly improved the strength of the metal / acrylic bond and markedly increased its stability in a wet environment.



GC Metalprimer II offers the practitioner an adhesive for simple, problem-free, permanently gap-free bonding of a wide variety of dental alloys to acrylics.



**Packaged units**  
 - Metalprimer II bottle 5 ml  
 - Brush