

# ZM-Bond

## Universal primer for zirconium dioxide -, metal - and ceramic surfaces



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Product information



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### Introduction

The long-term success of adhesive cemented indirect restorations depends on the adhesive interaction of all combined components: the teeth substrate, the dentin and enamel adhesives, the luting composite, the primer and also the contact areas of the restoration.

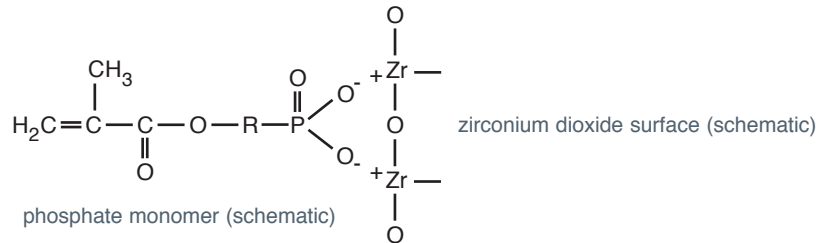
The teeth substrate will be prepared with separate adhesives (particularly **FANTESTIC**® **FLOWSIVE**-line).

The luting composites on methacrylate basis (particularly **FANTESTIC**®-product line) can be light-cure or self-curing or dual-cure.

**ZM-Bond** is a universal, one-component adhesive (primer), which will be applied to hydrophile surfaces of used restorative materials of zirconium dioxide, metal, non-metal and ceramics and transform them to hydrophobe surfaces. As a result this promotes the formation of a strong adhesive force between the hydrophobic luting composites, opaquers and corresponding restorative materials consists of zirconium dioxide, non-metal, metal or ceramic.

**ZM-Bond** consists of an acetone solution with monomers, which on the one hand includes a functional group on methacrylate basis for luting composites and on the other hand has functional groups (for example phosphoric acid groups) for an adhesion of restorative materials consisting of zirconium dioxide, non-metal, metal and ceramics (see graph):

### Performance parameters



Phosphoric acid groups for example interact with metal ions and atoms and form low soluble and hydrolysis secure phosphates with strong cohesive force. The strong adhesion prevents the occurring of a marginal gap and the shear-bond-strength will be increased significantly. Thus the restoration will remain in situ under influence of masticatory forces.

## Benefits at a glance:

### ZM-Bond:

- is a universal one-component adhesive (primer)
- is indicated for zirconium dioxide restorations
- is indicated for non-precious metal-restorations and precious metal-restorations
- is indicated for ceramic restorations
- universal usable in combination with light-curing or self- and dual-curing luting composites on methacrylate basis
- is easy to handle, will be applied thoroughly on the surface and the solvent will be dispense
- has a short reaction time of 10 s
- can be stored at room temperature

### Benefits

**ZM-Bond** should be stored lower than 25 °C (77 °F).

### Order information:

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**Description:**  
ZM-Bond

**Contents:**  
1 bottle à 6 ml

**Order-No.:**  
ZMF4200

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