**CONCEPT AND BENEFITS**

**VITA ADIVA® LUTING SOLUTIONS** are luting agents for material-specific and process-proof bonding of restorations made of VITA materials. Learn more about the concept and the benefits.
KONZEPT UND VORTEILE
SYSTEMS AND COMPONENTS
FACTS AND FEATURES
BONDING PROTOCOL
CONCEPT AND BENEFITS
THE MATERIAL-SPECIFIC LUTING SOLUTION

What?

• VITA ADIVA LUTING SOLUTIONS are luting agents perfectly matched with VITA materials.*

What for?

• Suitable for bonding of all indirect restorations made of feldspar, glass and hybrid ceramics, zirconia, composite and metal.

With what?

• Material-specific coupling agents enable reliable adhesive bonding. Thanks to intuitive and simple handling, the system supports a reliable bond.

*) VITA ADIVA is also suitable for restorative materials of other manufacturers.
ALL SOLUTIONS AT A GLANCE

VITA ADIVA® FULL-ADHESIVE
- The full-adhesive luting system with perfectly matched components for conditioning tooth substance and restorative material.
- The dual-curing, full-adhesive VITA ADIVA F-CEM luting composite is available in four shades (A2 Universal, A3, White opaque, Translucent).

VITA ADIVA® SELF-ADHESIVE
- The self-adhesive luting system with perfectly matched components for conditioning the restorative material.
- The dual-curing, self-adhesive VITA ADIVA S-CEM luting composite is available in two shades (A2 Universal, Translucent).

VITA ADIVA® IMPLANT
- VITA ADIVA IA-CEM is a dual-curing, ultra-opaque luting composite for bonding crowns on titanium bases and individual titanium abutments.

VITA ADIVA® TEMPORARY
- VITA ADIVA TE-CEM is a dual-curing composite cement for temporary bonding. It is available in the Translucent shade.
BENEFITS

• Bonding numerous restorative materials with material-specific, matched coupling agents in a dependable way.

• Process-proof bonding, thanks to a clearly structured luting set with systematically arranged and color-coded components.

• All components are easy to access, thanks to the handy, two-piece set in a standard tray.
KONZEPT UND VORTEILE

1. Efficient
2. Process-proof
3. Perfectly matched
4. Clearly marked and numbered

SYSTEMS AND COMPONENTS
FACTS AND FEATURES
BONDING PROTOCOL
CONCEPT AND BENEFITS
INTELLIGENT AND SYSTEMATIC BONDING

As a systematically structured luting set, VITA ADIVA® LUTING SOLUTIONS provides the appropriate solution for numerous restorative materials. In the following, you will be guided through the step-by-step process, based on a clear protocol.
SYSTEMS AND COMPONENTS
FACTS AND FEATURES
BONDING PROTOCOL
CONCEPT AND BENEFITS
OVERVIEW OF THE COMPONENTS

1. Conditioning the tooth
   - VITA ADIVA®M TOOTH-ETCH
     Phosphoric acid
   - VITA ADIVA®M T-BOND I + II
     Adhesive

2. Bonding
   - VITA ADIVA®M OXY-PREVENT
     Oxygen protection gel

3. Bonding
1. Conditioning the tooth

2. Conditioning the restoration

3. Bonding

VITA ADIVA®
CERA-ETCH
Hydrofluoric acid

VITA ADIVA®
M-PRIME
Metal primer

VITA ADIVA®
M-CERA-ETCH
Ceramic primer

VITA ADIVA®
ZR-PRIME
Zirconia primer

VITA ADIVA®
M-CEM
full-adhesive luting composite
THE 6-STEP BONDING PROTOCOL - CLEAR, SIMPLE, PROCESS-PROOF

Conditioning the tooth

1. VITA ADIVA® TOOTH-ETCH
2. VITA ADIVA® T-BOND I + II

Conditioning the restoration

3. VITA ADIVA® CERA-ETCH
4. VITA ADIVA® PRIMER

How?

• When using VITA ADIVA, full-adhesive bonding is based on a clearly structured six-step bonding protocol, for dependable and reproducible results.

With what?

• For systematic, full-adhesive bonding, all components are contained in the VITA ADIVA FULL-ADHESIVE LUTING SET in accordance with the steps of the protocol.

What for?

• Step-by-step, the team will be guided through the process, from pre-treating the tooth substance to material-specific conditioning.
Conditioning the restoration
Bonding

5 6

VITA ADIVA®
F-CEM
VITA ADIVA®
OXY-PREVENT

SYSTEMS AND COMPONENTS
FACTS AND FEATURES
BONDING PROTOCOL
CONCEPT AND BENEFITS
HARMONIOUS BONDING SPECIFIC TO THE MATERIAL

1. Conditioning the tooth

2. Conditioning the restoration
The luting system that is matched to the specific material enables permanent chemical bonding to various restorative materials, thanks to a customized coupling agent.
FACTS AND FEATURES

A compact, summary overview containing all facts about the special benefits of the VITA ADIVA® LUTING SOLUTIONS. You can find essential details on the following pages.
SYSTEMS AND COMPONENTS

FACTS AND FEATURES

BONDING PROTOCOL

CONCEPT AND BENEFITS
THREE REASONS FOR DEPENDABLE BONDING RESULTS

1. **VITA ADIVA® F-CEM**: Excellent bond strength to numerous materials

**Summary:**
- The system comprising the VITA ADIVA primers and the full-adhesive VITA ADIVA F-CEM luting composite enables safe bonding to numerous materials.

**Chart:** Average values of five samples each in bond strength tests of luting composites to materials mentioned above, following pre-treatment based on the manufacturer’s recommendations and immersion (24 h in water with a temperature of 37°C).

**Source:** Internal data, Harvard Dental International GmbH, Hoppegarten, Germany, 11/2016 ([1](#)), see back page of the brochure.

<table>
<thead>
<tr>
<th>Material</th>
<th>VITA ENAMIC</th>
<th>VITABLECS</th>
<th>VITA SUPRINITY PC</th>
<th>VITA YZ</th>
<th>Titanium</th>
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<td><strong>Shear bond strength [MPa]</strong></td>
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<tr>
<td>VITA ADIVA F-CEM</td>
<td>25</td>
<td>20</td>
<td>22</td>
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<tr>
<td>Panavia F 2.0</td>
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<td>15</td>
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<td>Nexus NX 3</td>
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<td>12</td>
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</table>

- VITA ADIVA F-CEM
- Panavia F 2.0
- Nexus NX 3
2. VITA ADIVA® S-CEM: Excellent bond strength to numerous materials

Adhesive bonding - self-adhesive luting systems

<table>
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<th>Material</th>
<th>VITA ENAMIC</th>
<th>VITABLOCS</th>
<th>VITA SUPRINITY PC</th>
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<td>Bond Strength</td>
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<td>30</td>
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Chart: Average values of five samples each in bond strength tests of luting composites to materials mentioned above, following pre-treatment based on the manufacturer’s recommendations and immersion (24 h in water with a temperature of 37° C).

Source: Internal data, Harvard Dental International GmbH, Hoppegarten, Germany, 11/2016 ([1], see back page of the brochure)

Summary:
- The system comprising the VITA ADIVA primers and the VITA ADIVA S-CEM full-adhesive luting composite enables a safe bond to numerous materials.
3. Process-proof bonding, thanks to intuitive and simple handling

1. Conditioning the tooth

VITA ADIVA® TOOTH-ETCH

VITA ADIVA® T-BOND I + II
2. Conditioning the restoration

3. Bonding

Summary:

• The clear set enables process-proof bonding since all components are systematically arranged, numbered consecutively and color-coded.

• Thanks to the intelligent design of the set, including consecutive numbering, the risk of confusing individual components during use can be reduced significantly.
3 REASONS FOR EFFICIENT CONDITIONING

1. Fast bonding through effective teamwork

Summary:
- Thanks to the two-piece luting set, dentist and assistant are able to complete conditioning steps simultaneously, increasing efficiency.
Summary:

- The two-piece luting set can be used on the instrument table and the treatment cabinets in a way that saves space and ensures efficiency.

- Thanks to its compact size, the VITA ADIVA set can be stored in the refrigerator.
Summary:

- VITA ADIVA luting composite enables economical material use by combining the convenient automix syringe with a short mixing tip.

- Compared to "conventional mixing tips," the use of short mixers can reduce material consumption by up to 43%.

*) Source: T-Mixer Themenblatt, Sulzer Mixpac AG, Haag, Switzerland
SYSTEMS AND COMPONENTS

VITA ADIVA® LUTING SOLUTIONS are luting agents with systematically matched components. An overview of all solutions can be found on the following pages.
VITA ADIVA® FULL-ADHESIVE®
Full-adhesive Luting Solutions

Conditioning
Tooth

VITA ADIVA®
TOOTH-ETCH
37% phosphoric acid

Conditioning
Restoration

VITA ADIVA®
CERA-ETCH™
5% hydrofluoric acid

Luting

VITA ADIVA®
F-CEM
full-adhesive luting composite

VITA ADIVA®
T-BOND I + II
Dual-curing adhesive

VITA ADIVA®
PRIMER (C/ZR/M)
Primer/coupling agent

VITA ADIVA®
OXY-PREVENT
Oxygen protection gel

VITA ADIVA® SELF-ADHESIVE®
Self-adhesive Luting Solutions

Conditioning
Restoration

VITA ADIVA®
CERA-ETCH™
5% hydrofluoric acid

Luting

VITA ADIVA®
S-CEM
Self-adhesive luting composite

VITA ADIVA®
PRIMER (C/ZR/M)
Primer/coupling agent

VITA ADIVA®
OXY-PREVENT
Oxygen protection gel

VITA ADIVA® IMPLANT & TEMPORARY

Luting

VITA ADIVA®
IA-CEM
luting composite
for implant prosthetics

VITA ADIVA®
MIA-CEM
luting composite
for implant prosthetics

VITA ADIVA®
TE-CEM
Temporary composite
cement

*) All components can be reordered separately. A comprehensive overview of all refills is available at www.vita-zahnfabrik.com/adiva.

**) VITA ADIVA CERA-ETCH is available as 3 ml syringe and 6 ml bottle.

VITA ADIVA is not available in the USA.
SHADES AND TYPES

VITA ADIVA® LUTING VERSIONS

- VITA ADIVA® F-CEM
  - A2 Universal
  - A3
  - White opaque
  - Translucent

- VITA ADIVA® S-CEM
  - A2 Universal
  - Translucent

- VITA ADIVA® IA-CEM
  - Ultra opaque

- VITA ADIVA® TE-CEM
  - Translucent

VITA ADIVA® COMPONENTS

ACCESSORIES

- Microbrush®
- Mixing trays
- T-Mixer 1:1 for VITA ADIVA® F-CEM
- T-Mixer 4:1 for VITA ADIVA® S-CEM
- T-Mixer 1:1 for VITA ADIVA® IA-CEM
- T-Mixer 4:1 for VITA ADIVA® TE-CEM
MATERIAL-SPECIFIC BONDING RECOMMENDATIONS

<table>
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<tr>
<th>VITA CAD/CAM material</th>
<th>Material class</th>
<th>Type of bond/luting composite</th>
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<td>VITABLOCS</td>
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<tr>
<td>VITA ENAMIC</td>
<td>Hybrid ceramic</td>
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<tr>
<td>VITA SUPRINITY PC</td>
<td>Zirconia-reinforced lithium silicate ceramic</td>
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<td>VITA YZ XT</td>
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<tr>
<td>VITA CAD-Temp</td>
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<td>NPM, PM, titanium</td>
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- ●: recommended, ○: possible, X: not possible

TABLE OF INDICATIONS

<table>
<thead>
<tr>
<th>VITA ADIVA® F-CEM</th>
<th>VITA ADIVA® S-CEM</th>
<th>VITA ADIVA® IA-CEM</th>
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</table>

- ●: recommended, X: not possible

Please note:
1) In the case of feldspar ceramics and hybrid ceramics, self-adhesive luting composites may only be used for crowns.
2) Conventional cementation materials (Ketac CEM, 3M ESPE; Vivaglass CEM, Ivoclar Vivadent; GC Fuji I, GC Dental) may be used exclusively for crowns on prepared natural teeth. The preparation requires retentive surfaces for conventional cementation, and - based on the preparation guidelines - the anatomical shape must be reduced while adhering to the minimum layer thickness indicated.
For digital shade determination, use VITA Easyshade V, and for traditional shade determination the VITA Linearguide 3D-MASTER or VITA classical A1–D4, can be used.

For CAD/CAM fabrication, VITA offers you highly esthetic feldspar ceramic, high-strength glass ceramic, innovative hybrid ceramic materials and zirconia – simply select the ideal material solution for your individual requirements.

For feldspar, glass ceramics and zirconia, use VITA AKZENT Plus stains and the VITA VM 9 or VITA VM 11 veneering ceramics. Use VITA ENAMIC Stains for the hybrid ceramic and VITA VM LC for individualization.

Glaze, stains, and/or dentine and crystallization firing are best carried out with the VITA VACUMAT 6000 M premium firing unit.

It is recommended to use the VITA ZYRCOMAT 6100 MS for sinter firing.

Note: When using a hybrid ceramic, firing must not be carried out.

Use polishing systems suitable for VITA feldspar ceramics (e.g., VITA Karat diamond polishing set).

For VITA glass and hybrid ceramics, VITA SUPRINITY / VITA ENAMIC polishing sets should be used.

Full-adhesive or self-adhesive luting with VITA ADIVA LUTING SOLUTIONS is possible for restorations made of feldspar, hybrid and glass ceramics, zirconia, composite and metal.

* Note “Optional process steps/firing”: The feldspar and hybrid ceramic materials can be seated directly after milling and polishing. The following process steps mentioned above are optional for feldspar ceramic. The same steps are required for the hybrid ceramic, but with the hybrid ceramic, firing must not be carried out. When using zirconia, sinter firing is carried out prior to characterization/individualization.
WE ARE HAPPY TO HELP

More information about the products and processing is also available at www.vita-zahnfabrik.com

Hotline Sales Support
Mr. Udo Wolfner and his team (Internal Sales Department) will be glad to assist you with orders or if you have questions about the delivery, product data and marketing materials.

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Mail info@vita-zahnfabrik.com

Technical Hotline
If you have technical questions concerning VITA product solutions, you can contact our technical specialists, Mr. Ralf Mehlin or Mr. Daniel Schneider.

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THE MATERIAL-SPECIFIC LUTING SOLUTION – INTUITIVE AND PROCESS-PROOF!

Use VITA ADIVA LUTING SOLUTIONS for material-specific luting solutions that are intuitive and process-proof.

matched to the specific material by VITA
More information about VITA ADIVA LUTING SOLUTIONS is available at www.vita-zahnfabrik.com/adiva

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After the publication of this information for use any previous versions become obsolete. The current version can be found at www.vita-zahnfabrik.com

VITA Zahnfabrik has been certified and the following products bear the CE mark:

- VITA ADIVA® F-CEM, VITA ADIVA® S-CEM, VITA ADIVA® IA-CEM, VITA ADIVA® TE-CEM, VITA ADIVA® TOOTH-ETCH, VITA ADIVA® T-BOND I + II, VITA ADIVA® C-PRIME, VITA ADIVA® ZR-PRIME, VITA ADIVA® M-PRIME

Harvard Dental International GmbH has been certified in accordance with the Medical Device Directive and the following products bear the CE mark:

- VITA ADIVA® Microbrush®, VITA ADIVA® T-Mixer™

VITA Zahnfabrik has been certified in accordance with the Medical Device Directive and the following product bears the CE mark:

- VITA ADIVA® OXY-PREVENT

Microbrush® is a trademark of MICROBRUSH® INTERNATIONAL.

T-Mixer™ is a trademark of Sulzer Miapac AG.

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