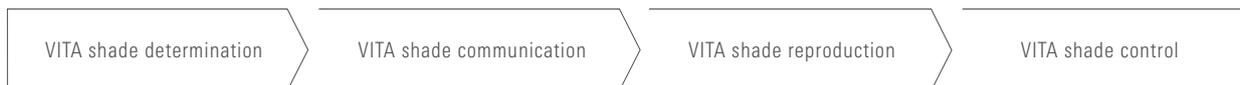


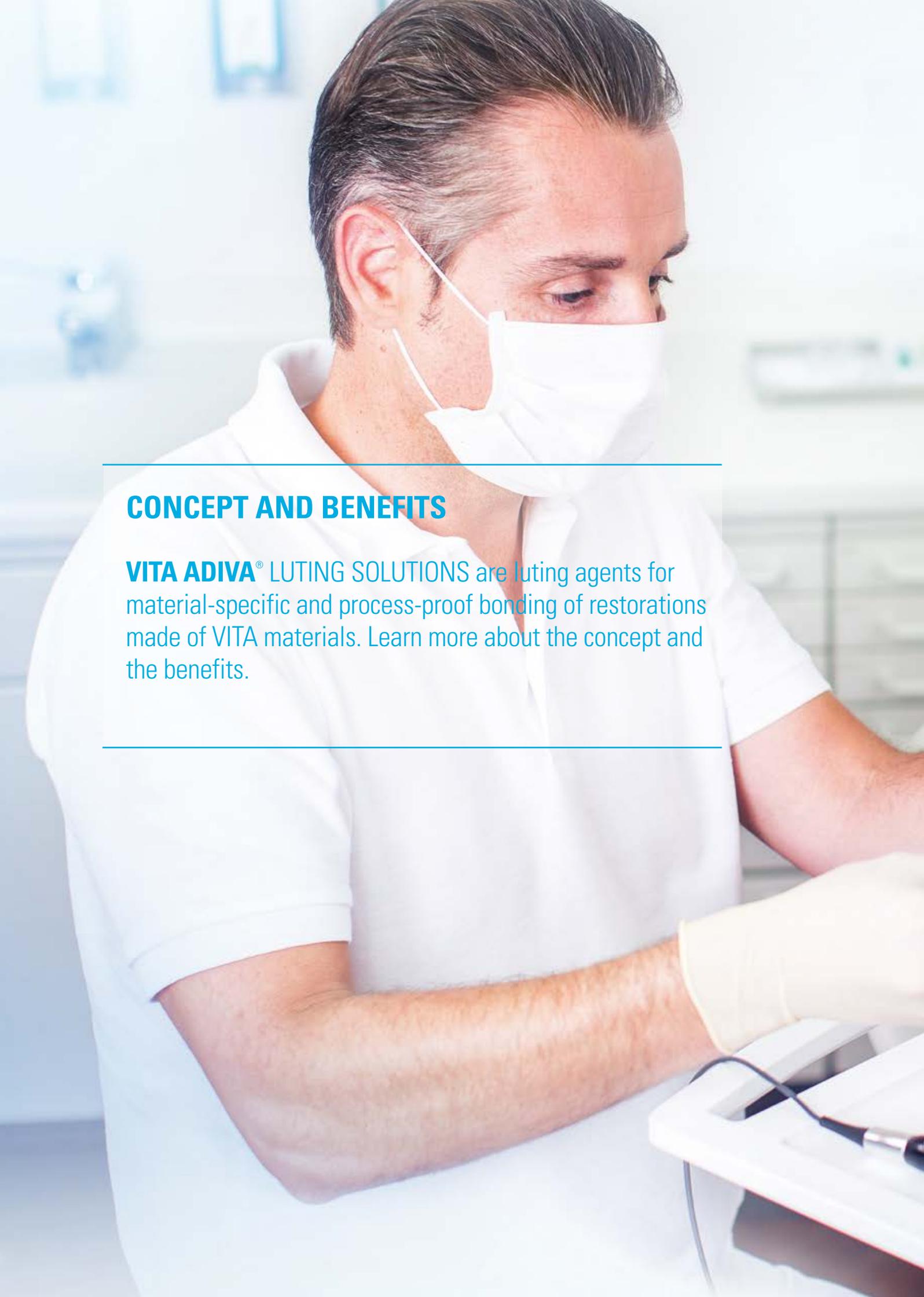
# VITA ADIVA® LUTING SOLUTIONS

The Concept



VITA – perfect match.

**VITA**

A close-up, side-profile photograph of a male dentist in a clinical setting. He is wearing a white short-sleeved polo shirt, a white surgical mask covering his nose and mouth, and a white nitrile glove on his right hand. He is looking down and to the right, focused on a task. The background is a blurred dental office with white cabinetry and a sink. A semi-transparent white box with a blue border is overlaid on the left side of the image, containing text.

## 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.



## 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 bonding 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 luting 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



### Reliable

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

### Process-proof

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

### Efficient

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



perfectly matched



clearly marked and numbered



## 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.





## OVERVIEW OF THE COMPONENTS

1

VITA ADIVA® M  
TOOTH-ETCH  
Phosphoric acid



2

VITA ADIVA® M  
T-BOND I + II  
Adhesive



1. Conditioning the tooth



3. E

6

VITA ADIVA® M  
OXY-PREVENT  
Oxygen protection gel





## 2. Conditioning the restoration

3

**VITA ADIVA® M**  
CERA-ETCH  
Hydrofluoric acid



4a

**VITA ADIVA® M**  
C-PRIME  
Ceramic primer



4b

**VITA ADIVA® M**  
ZR-PRIME  
Zirconia primer



4c

**VITA ADIVA® M**  
M-PRIME  
Metal primer



## Bonding

5

**VITA ADIVA® M**  
F-CEM

full-adhesive luting composite



## THE SIX-STEP BONDING PROTOCOL - CLEAR, SIMPLE, PROCESS-PROOF



### 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 pretreating the tooth substance to material-specific conditioning.

ion

**Bonding**

5 6



## HARMONIOUS BONDING SPECIFIC TO THE MATERIAL

1

2

Conditioning the tooth

3

Conditioning



**4a 4b 4c**

**of the restoration**

**5**

**6**

**Bonding**

Feldspar, hybrid and glass ceramics



**VITA ADIVA®  
C-PRIME**

**4a**



Zirconia



**VITA ADIVA®  
ZR-PRIME**

**4b**



Titanium non-precious  
and precious metal alloys



**VITA ADIVA®  
M-PRIME**

**4c**



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

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## FACTS AND FEATURES

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



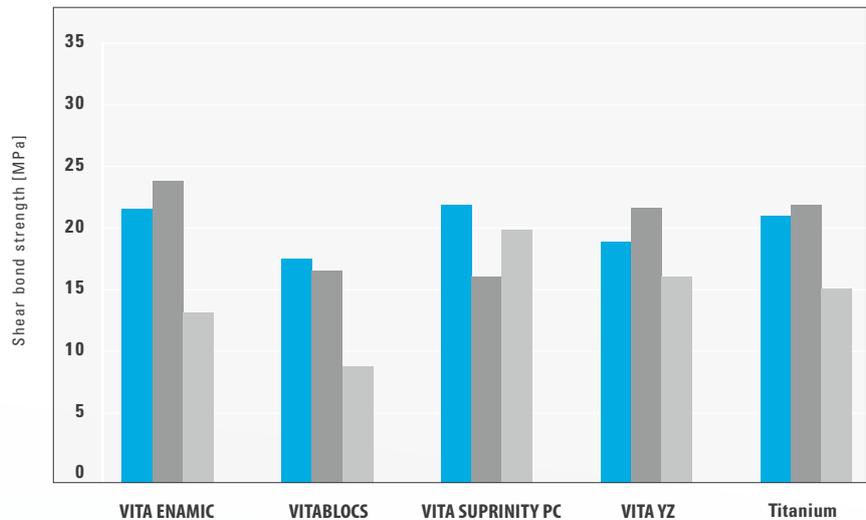


## THREE REASONS FOR DEPENDABLE BONDING RESULTS

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



Bond strength of full-adhesive luting systems



-  VITA ADIVA F-CEM
-  Panavia F 2.0
-  Nexus NX 3

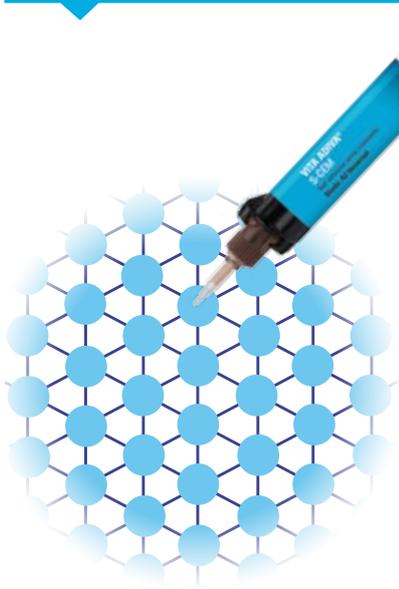
**Chart:** Average values from five test samples each for adhesive bond strength measurements of luting composites to the above named materials, following pretreatment based on manufacturer recommendations and immersion (24 h in water with a temperature of 37° C).

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

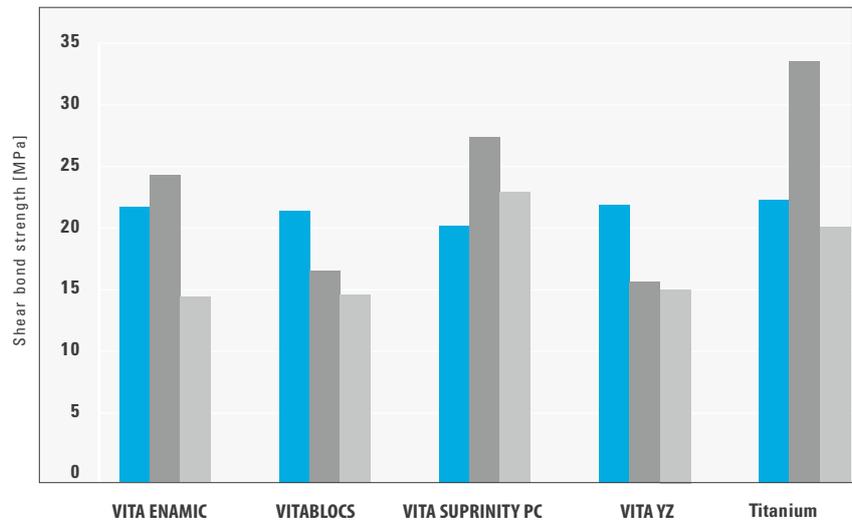
#### Summary:

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

## 2. VITA ADIVA® S-CEM: Excellent bond strength to numerous materials



### Adhesive bonding - self-adhesive luting systems



-  VITA ADIVA S-CEM
-  RelyX Unicem 2
-  Maxcem Elite

**Chart:** Average values from five test samples each for adhesive bond strength measurements of luting composites to the above named materials, following pretreatment based on manufacturer 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



## 2. Conditioning the restoration



## 3. Bonding



### Summary:

- The clear set enables process-proof bonding, since all components are systematically arranged, consecutively numbered and color coded.
- Thanks to the intelligent design of the set, including consecutive numbering, the risk of confusing individual components during use is significantly reduced.

## THREE REASONS FOR EFFICIENT CONDITIONING

### 1. Fast bonding through effective teamwork

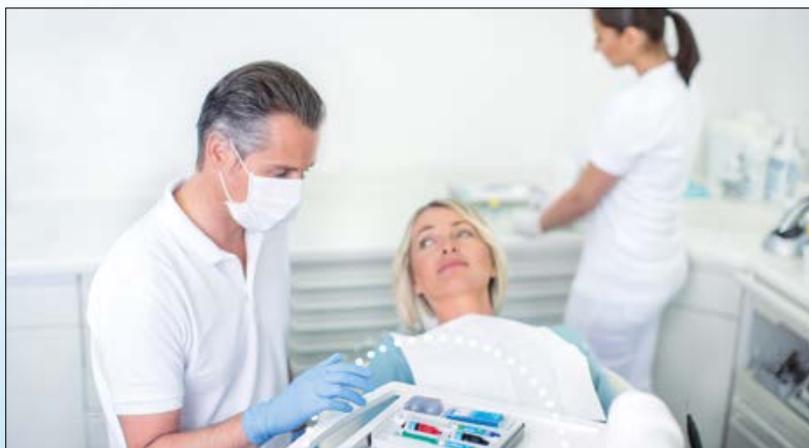


#### Summary:

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

## 2. Efficient use and storage, thanks to the compact standard tray

space saving and efficient



compact size



### 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.

### 3. Efficient bonding, thanks to reduced material consumption



Reducing material consumption  
by up to 43%!\*

T-Mixer™

conventional mixing tip

#### 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



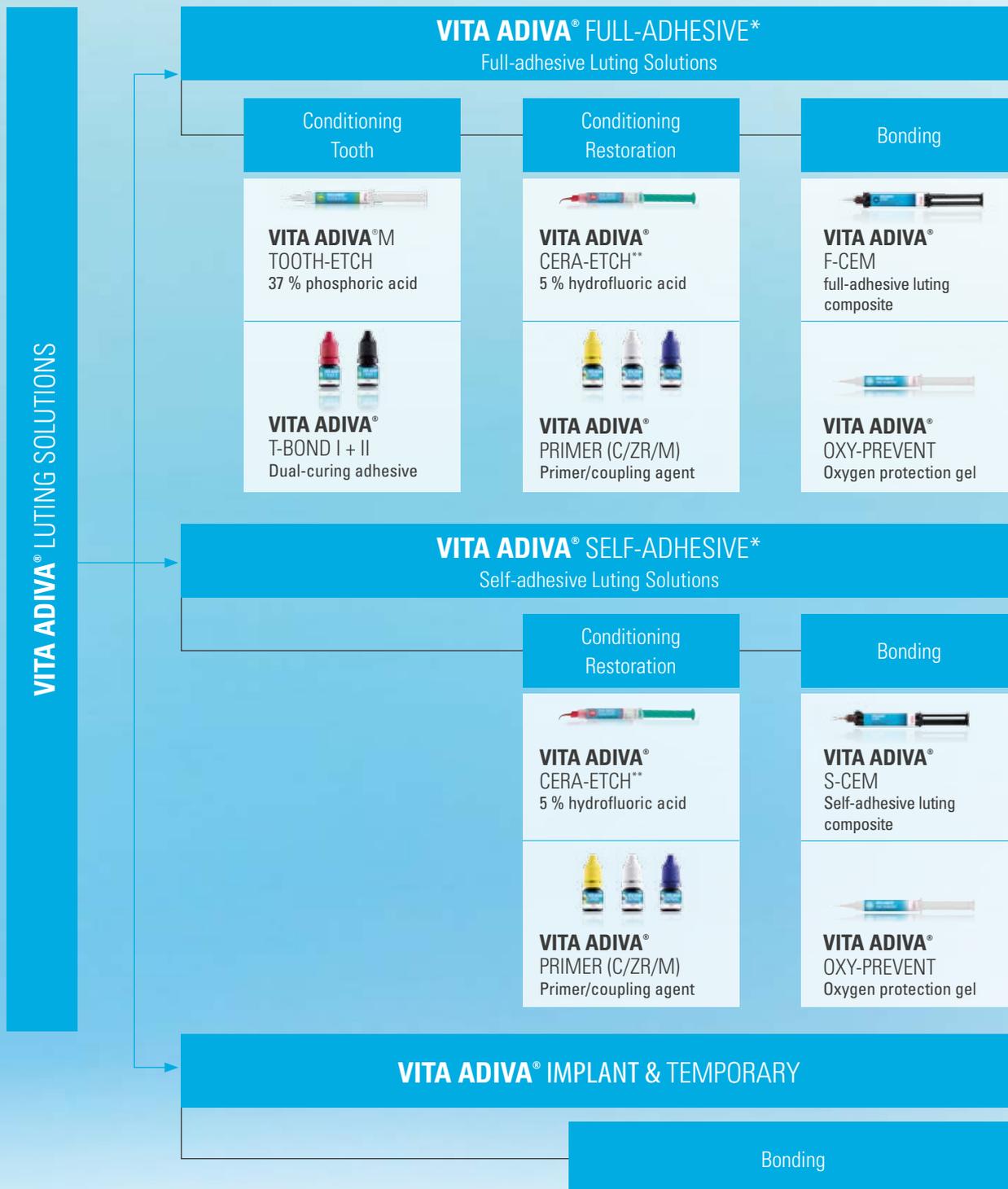


## SYSTEMS AND COMPONENTS

**VITA ADIVA®** LUTING SOLUTIONS are luting agents with systematically matched components. An overview of all solutions can be found on the following pages.



## COMPONENTS AND APPLICATION FORMS

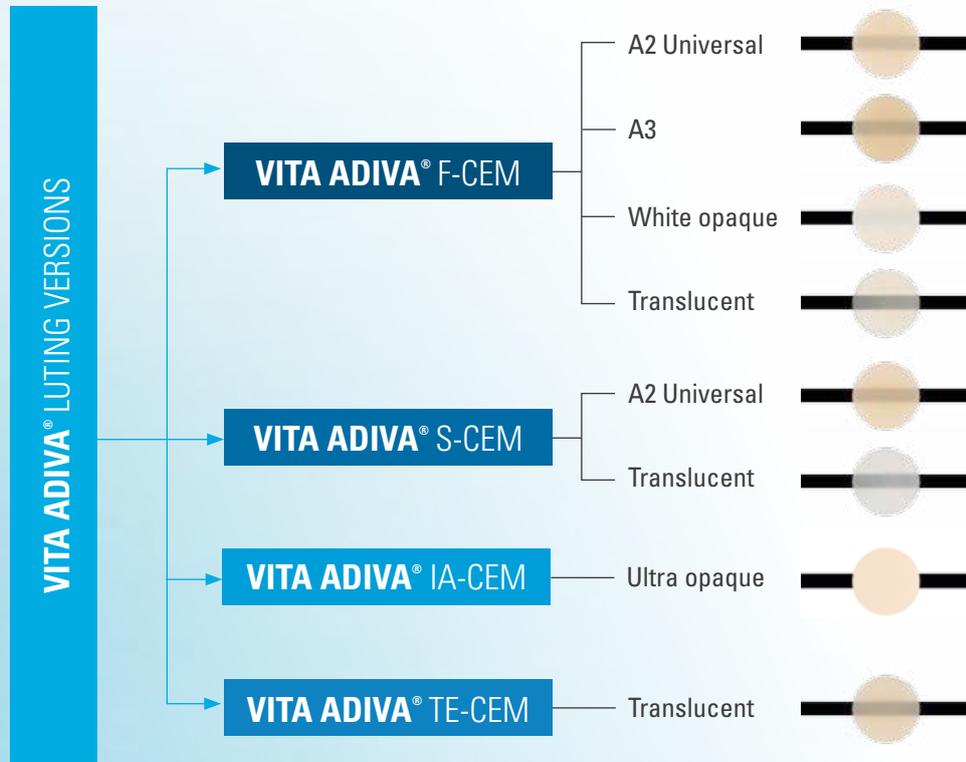


\*) All components can be reordered separately. A comprehensive overview of all refills is available at [www.vita-zahnfabrik.com/adiva](http://www.vita-zahnfabrik.com/adiva).

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

VITA ADIVA is not available in the USA.

## SHADES AND TYPES



## 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

VITA Material	Material class	Type of bond/luting composite				
		adhesive	self-adhesive	adhesive	conventional	temporary
		VITA ADIVA® F-CEM	VITA ADIVA® S-CEM	VITA ADIVA® IA-CEM		VITA ADIVA® TE-CEM
VITABLOCS	Feldspar ceramics	●	● <sup>1</sup>	○	×	×
VITA ENAMIC	Hybrid ceramic	●	● <sup>1</sup>	●	×	×
VITA SUPRINITY PC	Zirconia-reinforced Lithium silicate ceramic	●	●	●	○ <sup>2</sup>	×
VITA AMBRIA	Zirconia-reinforced lithium disilicate ceramic	●	●	●	○ <sup>2</sup>	×
VITA YZ T	Zirconia	●	●	●	●	●
VITA YZ HT	Zirconia	●	●	●	●	●
VITA YZ ST	Zirconia	●	●	●	●	●
VITA YZ XT	Zirconia	●	●	●	●	●
VITA CAD-Temp	Composite	○	×	●	○	●
-	NPM, PM, titanium	●	●	●	●	●

● recommended ○ possible × not possible

## TABLE OF INDICATIONS

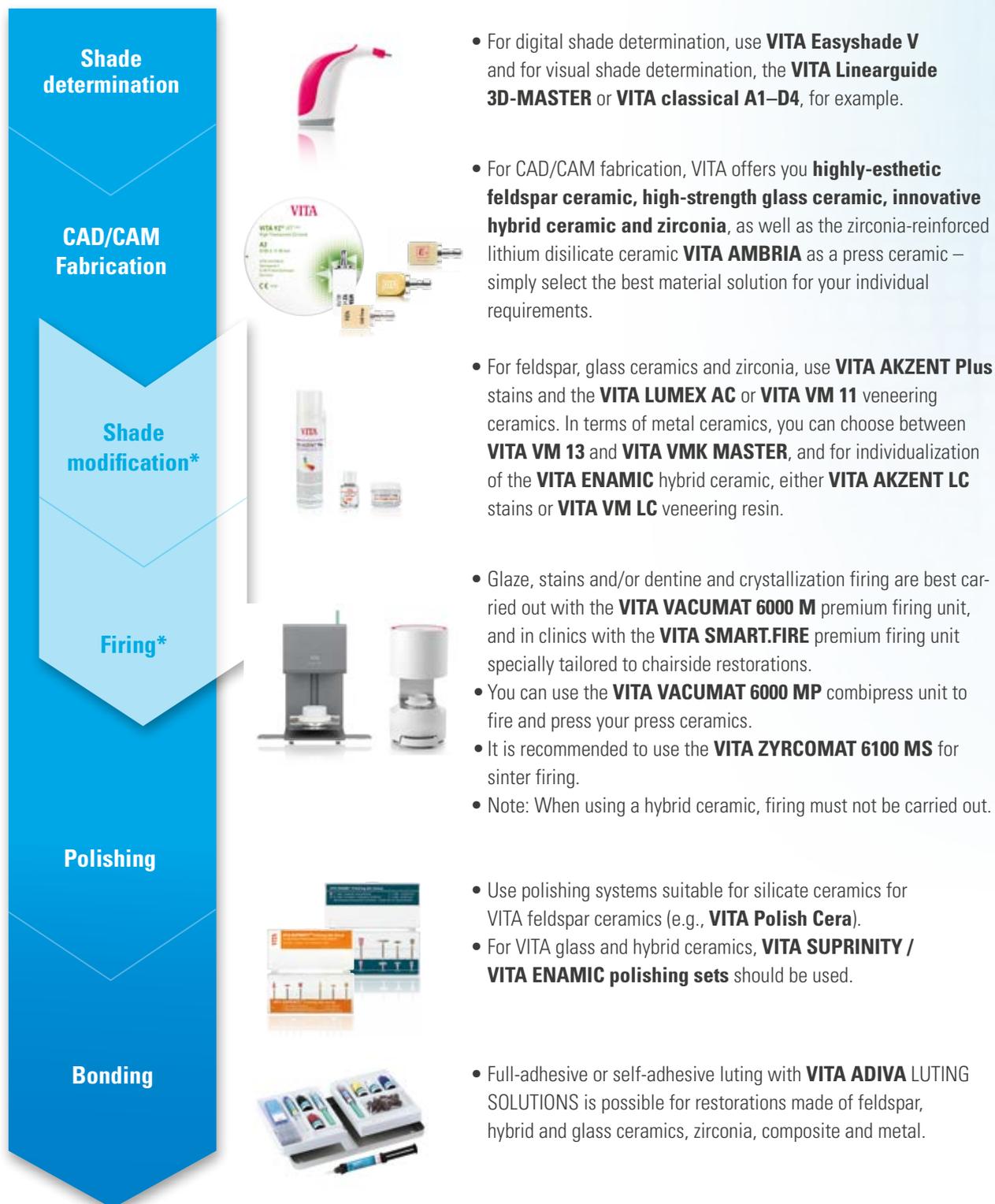
	VITA ADIVA® F-CEM	VITA ADIVA® S-CEM	VITA ADIVA® IA-CEM	VITA ADIVA® TE-CEM
	Full-adhesive bonding composite	Self-adhesive bonding composite	Full-adhesive luting composite	Temporary bonding composite
	●	●	●	●
	●	×	●	×
	●	×	×	×
	●	●	●	●
	●	●	●	●
	●	●	●	●

● recommended × not possible

### Please note:

- <sup>1</sup>) In the case of feldspar ceramics and hybrid ceramics, self-adhesive luting composites may only be used for crowns.
- <sup>2</sup>) 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 indicated minimum layer thickness.

## IDEAL SOLUTIONS FOR THE TREATMENT WORKFLOW



\* 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](http://www.vita-zahnfabrik.com)



### Hotline Sales Support

The Internal Sales Department team will be glad to assist you with orders or questions about delivery, product data and marketing materials.

▶ **Phone +49 (0) 7761 / 56 28 84**  
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**8 a.m. to 5 p.m. CET**  
**Mail [info@vita-zahnfabrik.com](mailto:info@vita-zahnfabrik.com)**



### Technical Hotline

If you have any technical questions concerning VITA product solutions, you can contact our Hotline team.

▶ **Phone +49 (0) 7761 / 56 22 22**  
**Fax +49 (0) 7761 / 56 24 46**  
**8 a.m. to 5 p.m. CET**  
**Mail [info@vita-zahnfabrik.com](mailto:info@vita-zahnfabrik.com)**



## THE MATERIAL-SPECIFIC LUTING SOLUTION – INTUITIVE AND RELIABLE!



› **matched to the specific material by VITA**

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

## References

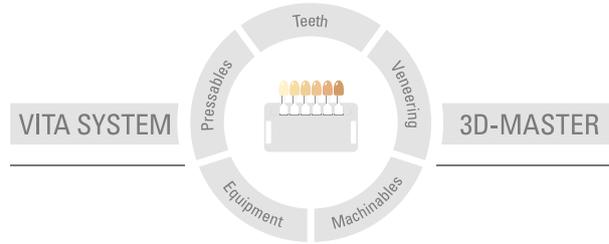
### 1. Internal data, Harvard Dental.

Harvard Dental International GmbH  
Margaretenstraße 2-4  
15366 Hoppegarten  
Germany

Dr. Dierk Lübbers, Scientific Affairs Manager, Hoppegarten  
Report: 11/2016

For detailed test data, see Technical Documentation  
VITA ADIVA LUTING SOLUTIONS;  
download from [www.vita-zahnfabrik.com/adiva](http://www.vita-zahnfabrik.com/adiva)

More information about VITA ADIVA LUTING SOLUTIONS is available at [www.vita-zahnfabrik.com/adiva](http://www.vita-zahnfabrik.com/adiva)



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

CE0482

**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:

CE

**VITA ADIVA® Microbrush®, VITA ADIVA® T-Mixer™, VITA ADIVA® OXY-PREVENT**

Microbrush® is a trademark of MICROBRUSH® INTERNATIONAL.  
T-Mixer™ is a trademark of Sulzer Mixpac AG.

The products/systems of other manufacturers mentioned in this document are registered trademarks of the respective manufacturers.

MD

# VITA

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