

VITA AKZENT® LC

Composite stains for reliable reproduction of all shade nuances



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 2021-10



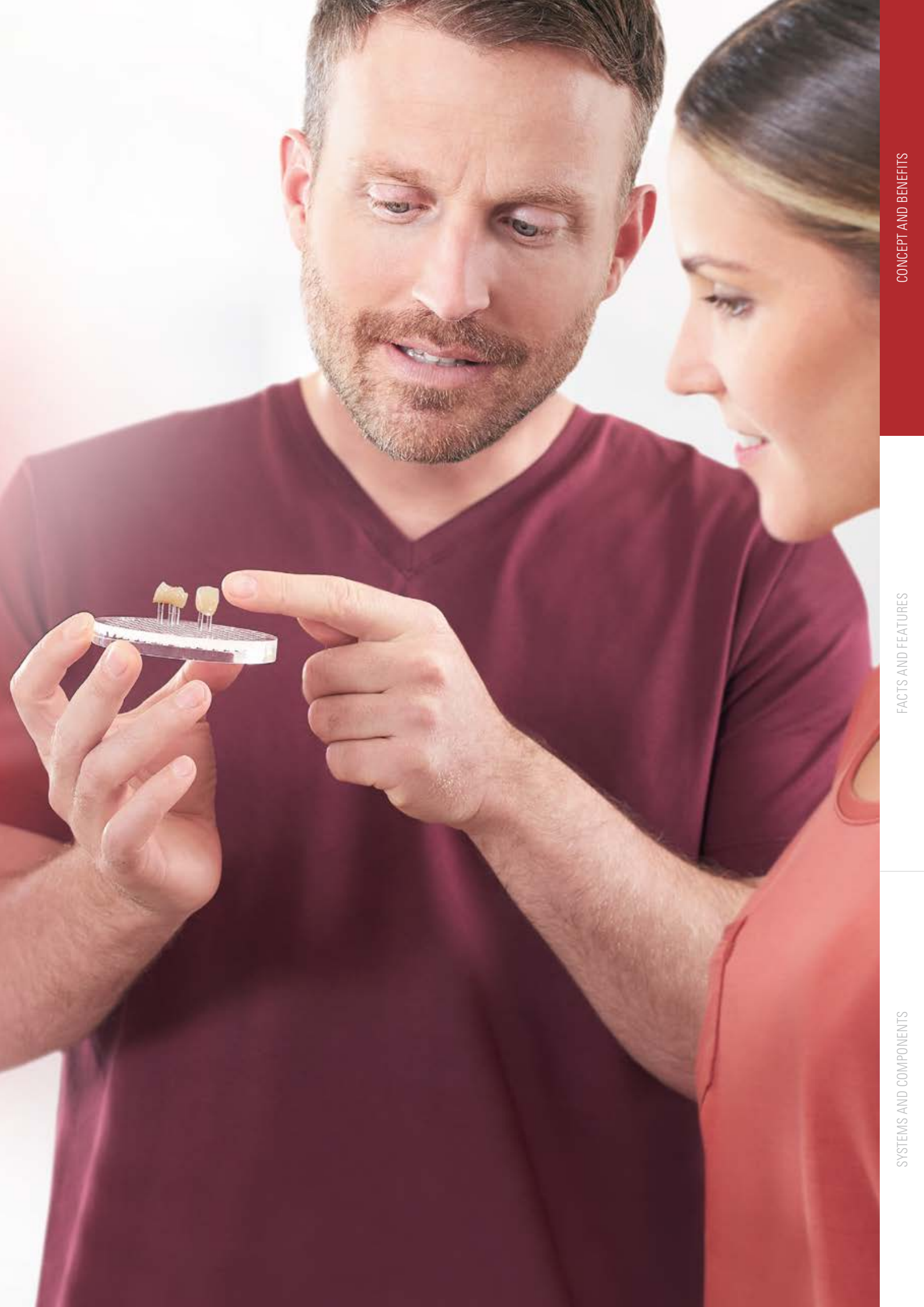
VITA – perfect match.

VITA



CONCEPT AND BENEFITS

VITA AKZENT® LC is a stain/glaze system for characterizing all indirect restorations made of composite, polymer and hybrid ceramic. The stains enable precise effect reproduction and reliable shade correction.



VITA AKZENT® LC – NATURAL REPRODUCTION OF INDIVIDUAL SHADE EFFECTS



What?

- VITA AKZENT LC are light-curing composite stains for reproducing individual shade effects, as well as applying shade corrections
- In addition to offering a variety of nuances, the stain system impresses with efficient and precise shade application and effective shade and gloss retention

What for?

- The stains can be used universally for extraoral characterization of restorations made of hybrid ceramics, CAD/CAM composite, veneering resin and prefabricated teeth, as well as for internal characterization using the resin veneering technique

With what?

The stain/glaze system includes:

- 14 richly nuanced effect shades, four glazing chrom shades and a glaze paste for surface sealing
- Perfectly matched system components such as brushes, mixing pallets and modeling and cleaning liquids



VITA AKZENT® LC – STAINS FOR COMPOSITE, POLYMER AND HYBRID CERAMIC



VITA AKZENT® LC

- Can be used universally for characterizing restorations made of hybrid ceramic, CAD/CAM and veneering composites, as well as acrylic dentures
- Can be used in various ways for all indirect restorations from the above-mentioned materials: for example, CAD/CAM-fabricated crowns, composite veneered bridge restorations, full/partial dentures and long-term temporary restorations



With VITA AKZENT LC, I can characterize exactly the way I am used to with ceramics.

*Peter Eiselt, Laboratory Manager,
Bad Vilbel, Germany, 12/20*

THE ADVANTAGES

Change shades

Natural effect reproduction

A3

Easy

Reliable reproduction



Reliable reproduction

- Reliable, natural reproduction of all the shade nuances of natural dentition, thanks to a wide range of brilliant effect stains

Easy modification

- Simple realization of shade modifications with a brush stroke, using chroma shades for plannable, systematic control of the chromaticity of dental restorations

Efficient processing

- Apply individual shade effects with pinpoint accuracy and apply shades efficiently over a large area, thanks to effect and chroma stains with ideally matched viscosities

Durable results

- Produce restorations with consistently brilliant shade rendering and high gloss stability, thanks to stains with good wear and resistance to discoloration

with a brushstroke

A3.5

modification

Efficient processing

Apply shades with pinpoint accuracy



VITA AKZENT LC allows me to create highly-customized anterior restorations.

Dr. Bernhild Elke Stammitz,
Dental Surgeon, Langen,
Germany, 12/20



PRECISE EFFECTS FOR NATURAL RESULTS



VITA AKZENT® LC EFFECT STAINS

- Are richly-nuanced shades for natural and precise effect reproduction (e.g., for tooth/fissure discoloration, translucent enamel areas, calcifications and more)
- Enable highly precise, selective shade application, thanks to excellent stability and perfectly adapted viscosity



With VITA AKZENT LC, I can reproduce small shade details very accurately.

*Dr. Harald Steinbrenner,
Dental Surgeon, Heppenheim,
Germany, 02/21*



RELIABLE SHADE CORRECTION FOR THE BEST SHADE MATCH



VITA AKZENT® LC CHROMA STAINS

- Are custom shades for planable, systematic control of chromacity for reliable application of shade corrections
- Enable streak-free shade layering over a large area for efficient shade application every time





FACTS AND FEATURES

VITA AKZENT® LC was developed according to the highest quality standards. Discover the most important facts and the many advantages of the new composite stains below.



REASONS FOR RELIABLE AND PRECISE RESULTS

1. Proven, reliable adhesive bond

Adhesive bond test

VITA AKZENT LC, VITA

OPTIGLAZE color, GC



Original sample: Stained VITAPAN prosthetic teeth prior to simulated aging

Simulated aging using
thermocycling
(5000 cycles, 5 °C / 55 °C)



Result: Stained VITAPAN prosthetic teeth after simulated aging

Source: Internal study, VITA R&D, Report 0628/19, 03/20,
Dr. M. Gmeuling ([1] see back of brochure)

VITA AKZENT® LC

- Ensures an excellent adhesive bond to PMMA-based dental materials
- Shows excellent bond stability to denture teeth (VITAPAN) during testing after simulated aging

2. Highly precise shade application with pinpoint accuracy every time

Stability test

VITA AKZENT LC (white)



1. Application of the stain on a glass plate



2. Testing of stability by tilting the plate

Source: Internal study, VITA PM,
Report 0478/21, 10/21, H. Kimmich ([2]
see back of brochure)

VITA AKZENT® LC

- Provides stable effect stains with ideal viscosity for precise shade application with pinpoint accuracy to achieve exact reproduction of all individual shade characteristics



REASONS FOR OUTSTANDING DURABILITY

1. High wear resistance/gloss retention



Wear resistance test



Stained crown prior to wear test

Simulated wear (20 hours)



Stained crown after wear test

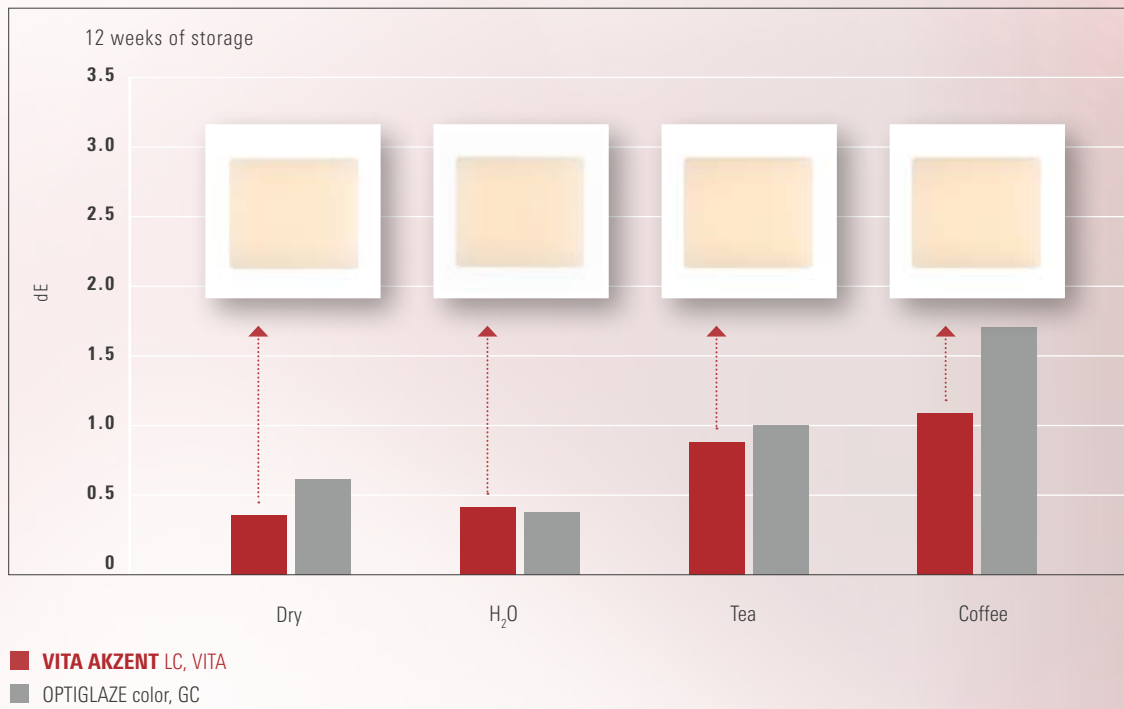
Internal study, VITA R&D, Report 0083/21, 07/21,
Dr. S. Aechtner ([1] see back of brochure)

VITA AKZENT® LC

- Enables very stable, brilliant shade reproduction and high gloss retention, thanks to a polymer matrix reinforced with silicon dioxide fillers
- Shows excellent gloss levels in testing after 20 hours of simulated wear in a toothbrush abrasion test (20 hours = 200 days of teeth cleaning at 2 x 3 minutes daily)

2. Outstanding resistance to discoloration

Discoloration resistance test



Source: Internal study, VITA R&D, Report 0559/19, 03/20,
Dr. M. Gmehling ([1] see back of brochure)

VITA AKZENT® LC

- Shows excellent resistance to discoloration, thanks to its homogenous surface
- Shows excellent shade stability in testing after immersion in water, tea and coffee for 12 weeks

A man and a woman are shown in profile, looking at a smartphone together. The man is on the left, wearing a maroon t-shirt, and the woman is on the right, wearing a red t-shirt. They are both smiling and appear to be engaged in a conversation. The background is a plain, light color.

SYSTEM AND COMPONENTS

VITA AKZENT® LC includes a wide range of shades and variants. Learn more about the entire spectrum of materials and coordinated system components available.



SYSTEMKOMPONENTEN

GLAZE

BRUSH-SET









































































MODELING LIQUID

MIXING-TRAY

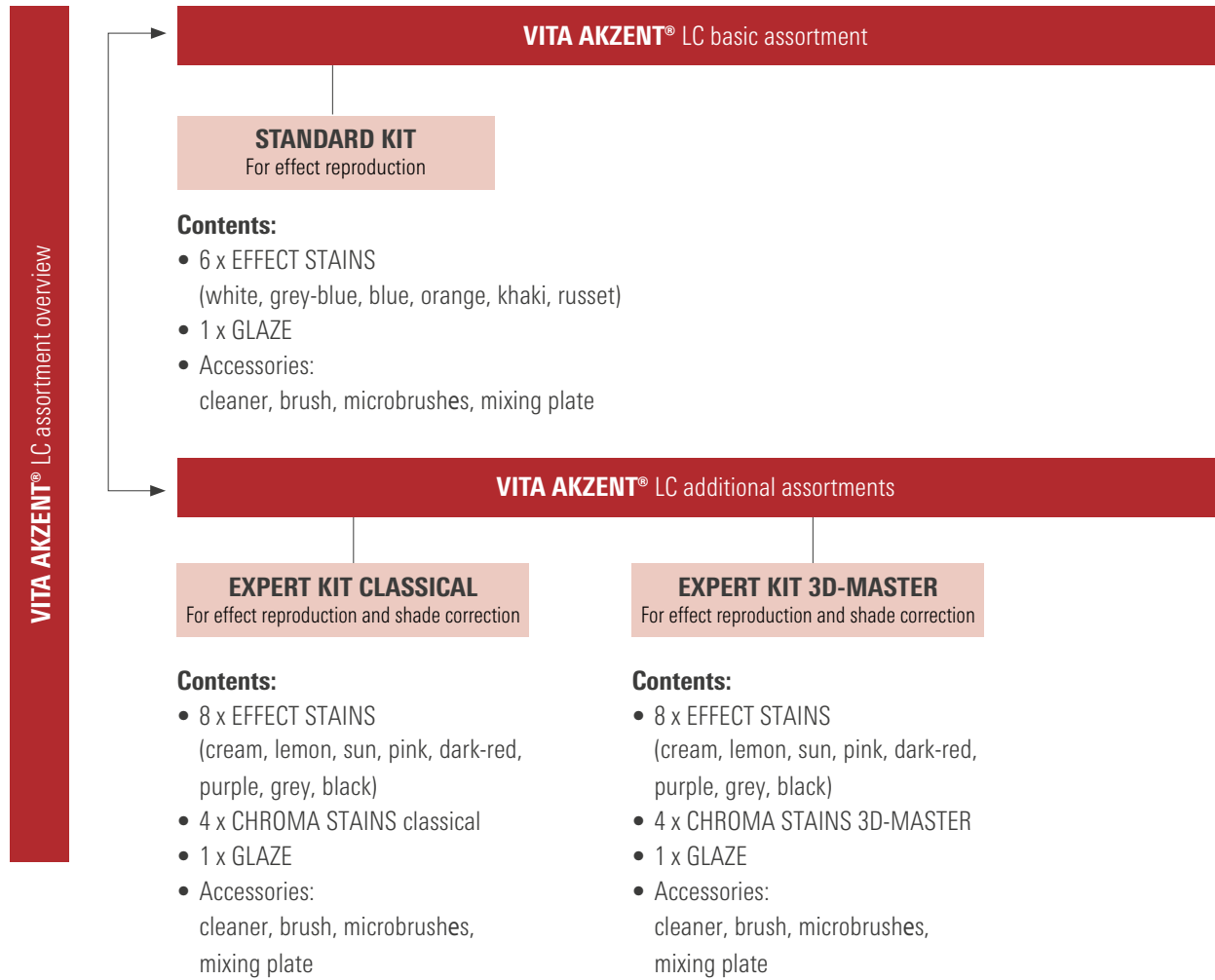
CLEANER

100% HIGH ADHESIVE
100% HIGH ADHESIVE

OVERVIEW OF SHADES AND VARIANTS

VITA AKZENT® LC portfolio overview																		
VITA AKZENT® LC EFFECT STAINS																		
	<p>For precise reproduction of individual characteristics/ effects</p>	<table border="0"> <tr> <td> white</td> <td> orange</td> <td> dark-red</td> <td> grey</td> </tr> <tr> <td> cream</td> <td> russet</td> <td> purple</td> <td> black</td> </tr> <tr> <td> lemon</td> <td> khaki</td> <td> blue</td> <td></td> </tr> <tr> <td> sun</td> <td> pink</td> <td> grey-blue</td> <td></td> </tr> </table>	 white	 orange	 dark-red	 grey	 cream	 russet	 purple	 black	 lemon	 khaki	 blue		 sun	 pink	 grey-blue	
 white	 orange	 dark-red	 grey															
 cream	 russet	 purple	 black															
 lemon	 khaki	 blue																
 sun	 pink	 grey-blue																
VITA AKZENT® LC CHROMA STAINS																		
	<p>For a systematic increase in chromacity</p>	<p>VITA classical A1–D4</p> <table border="0"> <tr> <td> A red-brown</td> <td> B red-sun</td> <td> C grey-brown</td> <td> D grey-red</td> </tr> </table> <p>VITA SYSTEM 3D-MASTER</p> <table border="0"> <tr> <td> L corn-yellow</td> <td> M2 red-yellow</td> <td> M3 dark-yellow</td> <td> R light-red</td> </tr> </table>	 A red-brown	 B red-sun	 C grey-brown	 D grey-red	 L corn-yellow	 M2 red-yellow	 M3 dark-yellow	 R light-red								
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 L corn-yellow	 M2 red-yellow	 M3 dark-yellow	 R light-red															
VITA AKZENT® LC GLAZE																		
	<p>For permanent and brilliant surface sealing</p>	<table border="0"> <tr> <td> glaze</td> </tr> </table>	 glaze															
 glaze																		
VITA AKZENT® LC COMPONENTS																		
	<p>Ideally matched system components for reliable processing</p>	<ul style="list-style-type: none"> • cleaner • brush, microbrushes • mixing plate 																

ASSORTMENT OFFER



SYSTEM COMPONENTS



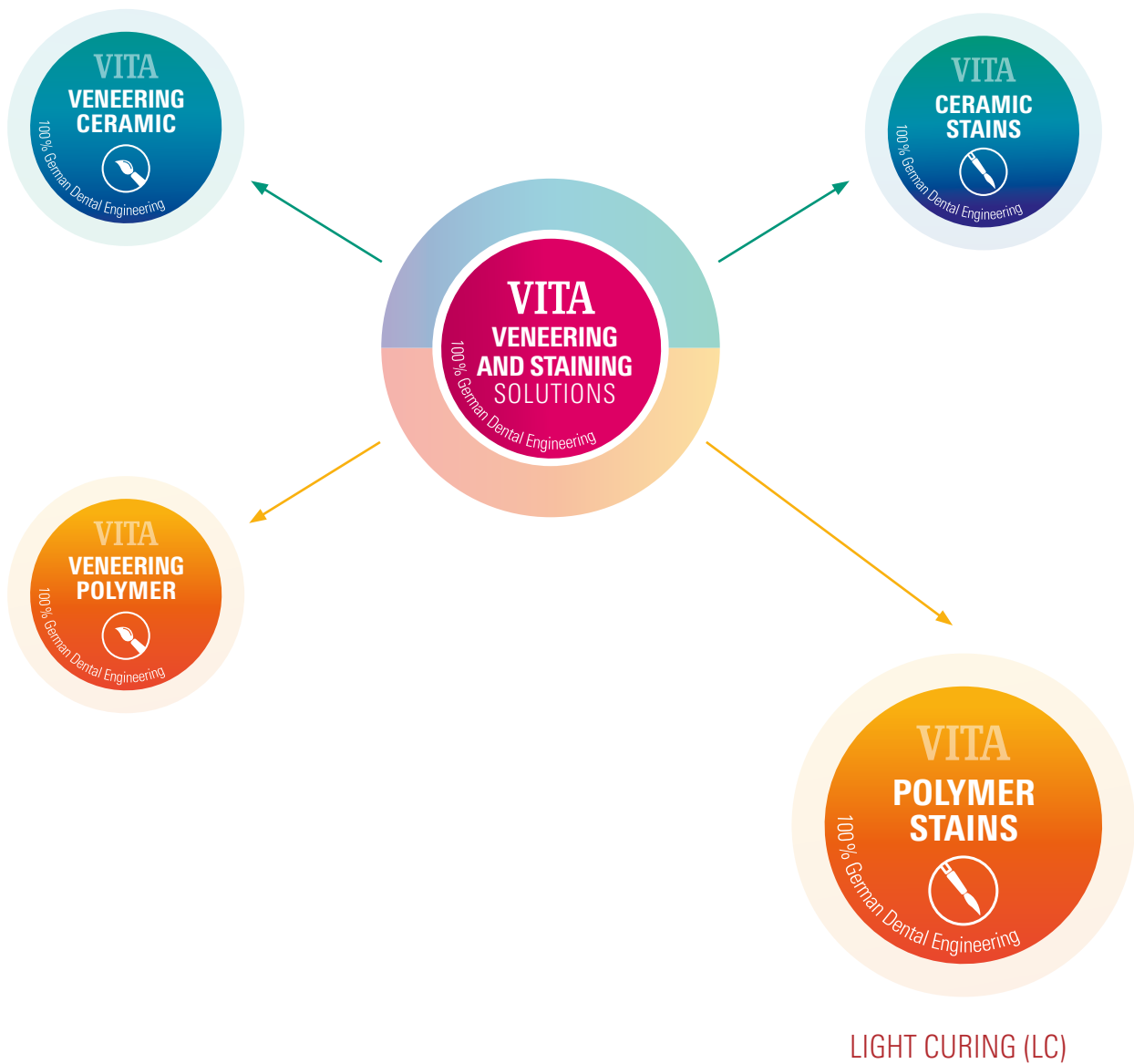
IDEAL SOLUTIONS FOR THE TREATMENT WORKFLOW



*) Optional process step: Does not apply when fabricating monolithic reconstructions.

VITA VENEERING AND STAINING SOLUTIONS

For a lively play of shade and light with all the nuances of nature.



> **VITA AKZENT® LC:**
For reliable reproduction of all shade nuances

Universally applicable composite stains for natural and precise shade effects, accurate shade corrections and high shade/gloss retention.

WE ARE HAPPY TO HELP

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



Hotline Sales Support

Mrs. Carmen Holsten and her team (Internal Sales Department) will be glad to assist you with orders or questions about delivery, product data and marketing materials.

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Technical Hotline

If you have technical questions concerning VITA product solutions, you can contact Michael Tholey and his team.

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Fax +49 (0) 7761 / 56 24 46
8 a.m. to 5 p.m. CET
E-mail: info@vita-zahnfabrik.com

► Further international contacts can be found at www.vita-zahnfabrik.com/contacts.



You can find more information on VITA AKZENT LC at:
www.vita-zahnfabrik.com/akzentlc

References

1. Internal studies, VITA R&D:

VITA Zahnfabrik H. Rauter GmbH & Co. KG
Research and Development Division
Spitalgasse 3, 79713 Bad Säckingen, Germany
Dr. Stefan Aechtner, Project Manager VITA R&D, VITA Zahnfabrik, Bad Säckingen
Dr. Marina Gmehling, Developer VITA R&D, VITA Zahnfabrik, Bad Säckingen

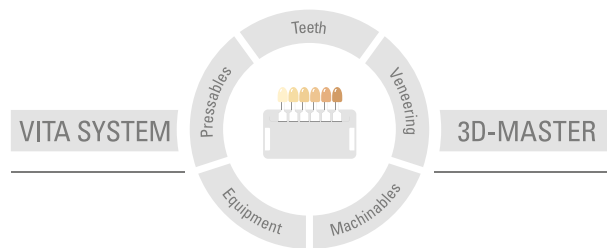
2. Internal studies, VITA product management:

VITA Zahnfabrik H. Rauter GmbH & Co. KG
Spitalgasse 3, 79713 Bad Säckingen, Germany
Hartmut Kimmich, Product Manager, VITA Zahnfabrik, Bad Säckingen

For detailed test data, see Technical Information

VITA AKZENT LC;

Download from www.vita-zahnfabrik.com/akzentlc



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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

CE 0124:  Rx Only

VITA AKZENT® LC

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VITA

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