

Instructions for Use



VITA AKZENT® LC

Used for characterisation
of denture bases and for
natural esthetics.



Characterization

VITA AKZENT® LC

Light-curing stain/glazing system.

The stains are universally suitable for extraoral characterization of dentures made of hybrid ceramic, CAD/CAM and veneering composites, denture bases, 3D-printed acrylic polymers and prefabricated teeth, and can be used for internal characterization with the veneering technique. They enable precise effect reproduction and reliable shade correction.

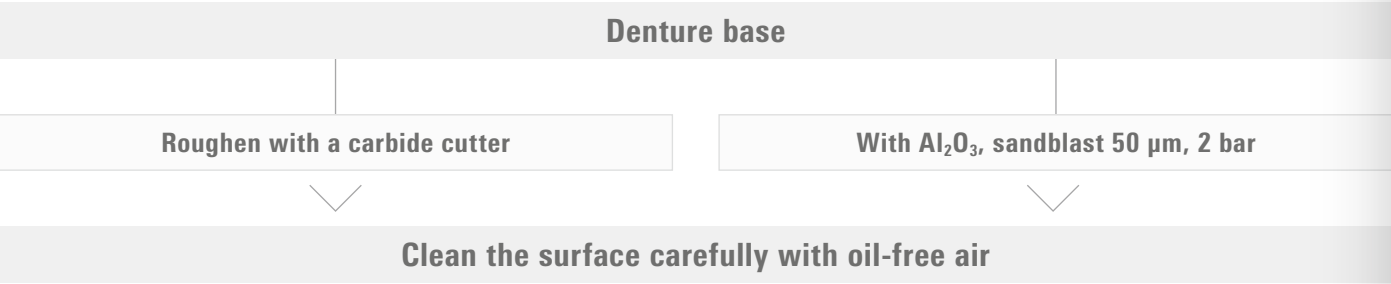


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2. Surface pretreatment

Pretreatment of the denture base before characterization



3. Characterization of the shade

3.1 Overview of stains

For characterization of the shade of a denture base

VITA AKZENT® LC EFFECT STAINS		
	Stains*	Area of application*
	cream	1:1 mixture for characterization of the labial frenulum and alveolar arches
	pink	1:1 mixture for characterization of the labial frenulum and alveolar arches
	dark-red	1:1-mixture for characterization of the labial frenulum and alveolar arches and for imitating fine arterial vessels
	purple	1:1 mixture for characterization of the labial frenulum and alveolar arches
VITA AKZENT® LC GLAZE		
	Stains*	Area of application*
	glaze	To achieve a uniform surface gloss

* All stains available individually

- Cream and dark pink can be mixed (e.g., 4:1) to obtain a more opaque shade of pink.
- GINGIVA KIT consisting of cream, pink, dark red, purple and GLAZE plus cleaner, mixing pad, brush and microbrush.

Note

- VITA AKZENT EFFECT STAINS can be mixed with GLAZE to reduce the chroma level.
- Shake bottle well before use (for 10 seconds). The mixing ball must be clearly audible!
- Close bottles immediately after use.
- The brushes included are recommended for applying the stains.
- Apply the stains in a thin layer.
- **Subsequent coating with GLAZE is not absolutely necessary.**
- Before characterization with the EFFECT STAINS, the sand-blasted surfaces of the denture base to be characterized can first be wetted with a thin layer of GLAZE and pre-polymerized for better assessment of the shade effect of characterization.
- Then carry out final polymerization of GLAZE together with the EFFECT STAINS.
- Polymerize individual stain layers in steps.

3.2 Step-by-step use

1 Recontoured and sandblasted dentures.

2 Apply VITA AKZENT LC GLAZE and cure briefly for better assessment of the subsequent shade application.

3 1:1 mixture of VITA AKZENT LC EFFECT STAINS cream and pink for characterization of the labial frenulum and the alveolar arches.

4 The labial frenulum is delicately contoured with the mixture VITA AKZENT LC EFFECT STAINS cream and pink using a brush.

5 The alveolar arches are then recontoured with the mixture of VITA AKZENT LC EFFECT STAINS cream and pink.

6 Below the tapering alveolar arches, the exposed gingiva is reproduced in a reddish (pink) shade.

3. Characterization of the shade



7 In the area of the oral mucosa, fine arterial vessels are simulated with VITA AKZENT LC EFFECT STAINS dark red.



8 Fine venous vessels on the labial shield are simulated with VITA AKZENT LC EFFECT STAINS purple.



9 Intermediate curing with a polymerization lamp



10 Then apply VITA AKZENT LC GLAZE to achieve a homogeneous surface gloss.



11 Uniform application of VITA AKZENT LC GLAZE to the individualized labial shield.



12 Final hardening with a suitable polymerization device/lamp.

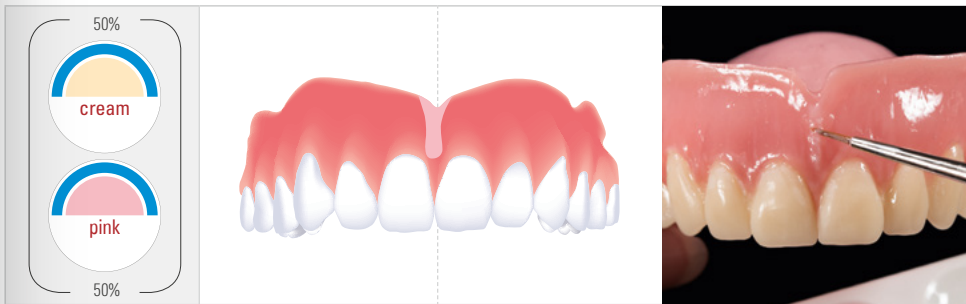


13 Denture base with characterized shade after complete curing in the polymerization device.

Note

- The processing time of the stains depends on the room temperature and exposure to light.
- Cover the mixing tray with the lightproof lid in order to avoid premature polymerization of the stains.
- Do not reuse any polymerized stain.
- Close the bottles immediately after use.
- Dry the brush thoroughly after cleaning with CLEANER.
- CLEANER adhering to the brush prevents proper polymerization of the stain.
- VITA VM LC flow GINGIVA materials G1 – G5 can be used for individualizing the surface structure and enhancing the form of denture bases. See VITA VM LC Instructions for use, no. 1200.
- The VITA AKZENT LC EFFECT STAINS can be mixed with the VITA VM LC flow materials in a max. ratio of 1:10.

3.3 Application examples



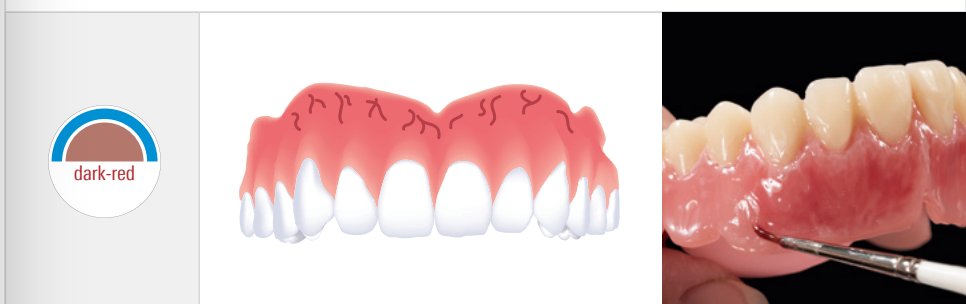
The labial frenulum is delicately contoured with the 1:1-mixture VITA AKZENT LC EFFECT STAINS cream and pink using a brush.



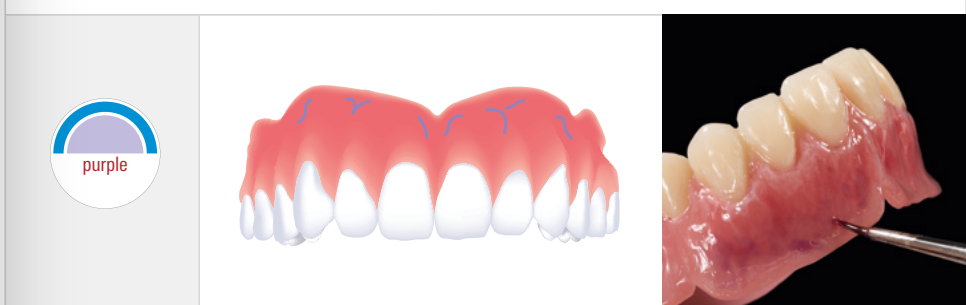
The alveolar arches are then recontoured with the mixture of VITA AKZENT LC EFFECT STAINS cream and pink.



Below the tapering alveolar arches, the exposed gingiva is reproduced with pink.




In the area of the oral mucosa, fine arterial vessels are reproduced with VITA AKZENT LC EFFECT STAINS dark red.



Fine venous vessels on the labial shield are imitated with VITA AKZENT LC EFFECT STAINS purple.

4. Polymerization

Note

- All surfaces must be completely polymerized and hard. There must be no sticky surfaces.
 - After final polymerization, polish the glazed surface with a suitable polishing paste (such as VITA Polish Hybrid, for example) and a soft goat hair brush. Then use a dry cotton buff to achieve the final gloss.
 - For polymerization of VITA AKZENT LC, a light-curing device is required with light sources emitting rays in the wave-length range of < 430 nm! This requirement is met by numerous common light-curing units that emit light in the wave-length range of 350 to 500 nm.
- For fast and safe curing, temperatures of 60 °C - 80 °C in the polymerization chamber must be ensured. Temperatures above 90 °C must be avoided.
 - For information about polymerizing, please refer to the VITA AKZENT LC Instructions for use, No. 10613.
 - The latest information on the recommended polymerization devices can be found at:
- www.vita-zahnfabrik.com/akzentlc

Technical data/information

Patient target group:
No restrictions

Intended user:
Dental professionals only: dentist and dental technician (Rx only).

5.1 Indication

- VITA AKZENT LC is approved for:**
- Restorations made of hybrid ceramic (VITA ENAMIC)
 - Restorations made of light-curing veneering material (e.g., VITA VM LC)
 - Restorations made of CAD/CAM composites (e.g., VITA CAD-Temp, VITA VIONIC DENT DISC multiColor)
 - Prefabricated teeth (e.g., VITAPAN)
 - Denture bases (e.g., VITA VIONIC BASE, VITA VIONIC BASE RESIN IMPACT)
 - Restorations and denture bases made of 3D printing acrylic polymers


5.2 Contraindication

- VITA AKZENT LC is not approved for:**
- Intraoral use
 - Patients with allergies or sensitivities to the ingredients
 - Do not use on occlusal contact points of restorations.




5.3 Storage information

- Store VITA AKZENT LC at 4 °C to 25 °C (39 - 77 °F).
- Storage in a refrigerator is recommended.
- Do not use after the expiration date.
- The products labelled with a pictogram for hazardous substances are to be disposed of as hazardous waste. Recyclable waste (such as attachments, paper and plastics) must be disposed of using appropriate recycling systems. If necessary, contaminated product residues should be pretreated in accordance with regional regulations and disposed of separately.

5.4 Symbol explanations

Manufacturer VITA Zahnfabrik		Manufacturing date	
Medical device		Shelf life	
Storage temperature		Product number	
Refer to instructions for use		Lot number (batch)	
Protect from sunlight			




5.5 Safety at work/health protection

Safety at work and health protection	When working with the product, wear suitable safety goggles/face protection and light respiratory protection.	  
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5.6 Safety data sheets

You can find detailed information on the corresponding data safety sheet. The corresponding safety data sheets can be obtained at <https://www.vita-zahnfabrik.com/downloadcenter> or by fax at (+49) 7761-562-233.



VITA AKZENT LC EFFECT STAINS VITA AKZENT LC CHROMA STAINS VITA AKZENT LC GLAZE	<ul style="list-style-type: none">• Highly flammable liquid and vapor.• Causes skin irritation.• May cause allergic skin reactions.• Causes serious eye damage.• May cause respiratory irritation.• Harmful to aquatic life with long-lasting effects• Wear protective gloves/protective clothing/eye protection.• Keep the container tightly closed.• Protect from heat. No smoking.	  
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- Avoid contact of uncured material with the skin.
- Avoid contact of the material with clothing.
- VITA AKZENT LC is volatile and may cause respiratory irritation. Use the product in a well-ventilated room. Put the cap back on after use.

5.7 General notes on handling

Product safety: Information on reporting serious incidents in connection with medical devices, general risks associated with dental treatments, residual risks and (if applicable) short clinical safety and performance reports (SSCPs) can be found at https://www.vita-zahnfabrik.com/product_safety



Suitable solutions for processes.



Tooth shade determination

VITA Easyshade V, VITA Easyshade LITE, VITA classical A1-D4, VITA SYSTEM 3D-MASTER Toothguide



Fabricating dentures

VITA ENAMIC, CAD/CAM composite, veneering composite, denture bases, VITA VIONIC SOLUTIONS, VITA prefabricated teeth



Characterization Glazing

VITA AKZENT LC



Polishing

VITA Polish Hybrid



Luting

VITA ADIVA LUTING SOLUTIONS



We are happy to help.

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Please note:

Our products must be used according to the instructions for use. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers that are not compatible or not authorized for use with our product and this results in damage. The VITA Modulbox is not a required component of the product. Date of issue of these Instructions for Use: 2025-03

After the publication of this information for use, any previous versions become obsolete. The current version in each case is available at www.vita-zahnfabrik.com

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

CE 0124 VITA AKZENT® LC

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

Rx only MD

CH REP VITA Zahnfabrik H. Rauter GmbH & Co.KG, Bad Säckingen (Germany). Zweigniederlassung Basel c/o Perrig AG, Max Kämpf-Platz 1, 4058 Basle (Switzerland)

References

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

Detailed test data:

See Technical and scientific documentation
VITA AKZENT® LC
Download via www.vita-zahnfabrik.com



For more information on VITA AKZENT® LC,
simply scan the QR code.
<https://www.vita-zahnfabrik.com/akzentlc>



VITA AKZENT® LC

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