VITA CAD/CAM MATERIALS
Catalog for practices and laboratories

VITA – perfect match.

VITA CAD/CAM MATERIALS – Proven a million times
# VITA CAD/CAM MATERIALS – Overview of indications

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<th>Zirconia ceramic</th>
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- **Recommended**
- **Possible**
- **Not possible**
- **Not recommended**
- **Only as a substitute for modelling wax**

* Note: These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective working instructions of the products.

** VITA YZ ST reconstructions are limited in Canada to a max. of six units with a max. of two connected pontics.

1) The abutments must be designed in a way to meet the requirements for ceramic-specific preparation and to observe the minimum wall thickness of crowns. Please also observe the manufacturers' working instructions.

2) **Molars only**

3) **No more than two adjacent pontics recommended**

4) **Only as a substitute for modelling wax**
VITA Zahnfabrik has been developing CAD/CAM materials for dentists and dental technicians for more than 30 years. One of the company’s first milestones was the introduction of VITABLOCS, which have been proven a million times over. Innovative material concepts, such as the hybrid ceramic VITA ENAMIC, were introduced later. Today, VITA offers a variety of solutions for almost every indication.
VITABLOCSTM Mark II, TriLuxe forte, RealLife

Proven a million times over.

FACTS & FEATURES

What?
- **VITABLOCS Mark II**: monochromatic, tooth-colored feldspar blanks with shades that match those of residual teeth
- **VITABLOCS TriLuxe forte**: polychromatic, tooth-colored feldspar blanks with integrated shade gradient to reproduce the natural play of colors
- **VITABLOCS RealLife**: polychromatic, tooth-colored feldspar blanks with integrated "3D-layer" structure to reproduce the natural shade gradient in the anterior area

Benefits?
- fabricating reliable restorations thanks to a durable material with very good clinical performance
- highly esthetic restorations thanks to a material with superior play of colors and light
- cost-effective reconstruction thanks to time-saving CAM fabrication and efficient finishing using a polishing process

What for?
- solution for highly esthetic reconstructions of minor defects (VITABLOCS Mark II) and esthetic restorations in the visible region (VITABLOCS TriLuxe forte, VITABLOCS RealLife)

more information: VITABLOCS concept brochure 1454
# BASIC INFORMATION

## Recommended indications?*

<table>
<thead>
<tr>
<th>VITABLOCS Mark II</th>
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<td>• small, esthetic reconstructions (inlay, onlay, partial crown)</td>
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<table>
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<tr>
<th>VITABLOCS TriLuxe forte</th>
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<td>• highly esthetic reconstructions in the visible region</td>
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<table>
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<tr>
<th>VITABLOCS RealLife</th>
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<tr>
<td>• highly esthetic anterior crowns</td>
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</table>

## Process steps

One-step materials:
- CAM fabrication, polishing and seating; firing not required
- optional: characterization / individualization

## System compatibility

**VITABLOCS – SYSTEM SOLUTION**

VITA offers VITABLOCS with the holder system for CEREC/inLab (Dentsply Sirona)

**VITABLOCS – UNIVERSAL SOLUTIONS**

VITA offers VITABLOCS with universal holder system for CAD/CAM systems:
- CORiTEC line (imes-icore GmbH), DGSHAPE DWX line (DGSHAPE Corporation), CS 3000 /CS 3100 (Carestream Dental, Inc.), N/R/S/Z/E lines (vhf camfacture AG), Zfx Inhouse5x (Zfx GmbH), Organical Desktop line (R+K CAD/CAM Technologie GmbH & Co. KG), DMG ULTRASCONIC series (DMG Mori AG)

*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
AVAILABLE SHADES

VITABLOCS Mark II
- VITA SYSTEM 3D-MASTER: 0M1C (for I12, I14), 1M1C, 1M2C, 2M1C, 2M2C, 2M3C, 3M1C, 3M2C, 3M3C, 4M2C

VITABLOCS TriLuxe forte
- VITA SYSTEM 3D-MASTER: 0M1C, 1M1C, 1M2C, 2M2C, 3M2C

VITABLOCS RealLife
- VITA SYSTEM 3D-MASTER: 0M1C, 1M1C, 1M2C, 2M1C, 2M2C, 3M2C

AVAILABLE GEOMETRIES (geometries in mm)

Blocks:
- VITABLOCS Mark II: I10: 8 x 10 x 15; I12: 10 x 12 x 15; I14: 12 x 14 x 18
- TriLuxe forte: TF-12: 10 x 12 x 15; TF-14: 12 x 14 x 18; TF-14/14: 14 x 14 x 18
- RealLife: RL-14/14: 14 x 14 x 18
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITABLECS
- Pack of five VITABLECS Mark II feldspar ceramic blanks
- Pack of five VITABLECS TriLuxe forte feldspar ceramic blanks
- Pack of five VITABLECS RealLife forte feldspar ceramic blanks

AVAILABLE SYSTEM COMPONENTS

Bonding with VITA ADIVA LUTING SOLUTIONS

Characterization with VITA AKZENT PLUS

Individualization with VITA LUMEX AC

Polishing with VITA Polish Cera polishing paste and VITA CERAMICS Polishing Sets

more information: chapter Components/Accessories
VITA ENAMIC®

A new definition of load capacity*.

FACTS & FEATURES

What?
- Unique hybrid ceramic with a dual ceramic-polymer network structure
- Available as monochromatic and multichromatic types in up to three translucency levels (T, HT, ST)

Benefits?
- **fabricating durable restorations**
  using a high-load capacity hybrid ceramic with absorption of masticatory forces
- **non-/minimally invasive restorations**
  hybrid ceramic enables reduced wall thickness compared to feldspar ceramic
- **fabricating accurate, precise and delicate structures**
  using a hybrid material with reduced brittleness
- **cost-effective reconstruction**
  thanks to time-saving CAM fabrication and efficient polishing without any firing process

What for?
- Solution for minimally invasive, delicate and implant-supported reconstructions

*) In addition to a high degree of elasticity, this innovative hybrid ceramic ensures high load capacity after adhesive bonding.
VITA ENAMIC®

>BASIC INFORMATION

Recommended indications?*
VITA ENAMIC (T, HT, ST)
- reconstructions with reduced wall thicknesses that preserve natural tooth structure
- posterior crowns that offer high load capacity in cases with limited space availability
- precise repair of small defects (e.g., indirect cervical fillings/delicate inlays)
- non-/minimally-invasive reconstruction of occlusal surfaces (table top)
- monolithic veneering structures for digital dual structure bridges

VITA ENAMIC HT multiColor
- esthetic crown restorations with vivid play of color/light
- delicate (non-prep) veneers for cosmetic reconstructions

VITA ENAMIC IS**
- implant-supported abutment crowns and mesostructures

Process steps
One-step materials:
- CAM fabrication, polishing and seating; no firing
- optional: characterization/individualization

System compatibility
VITA ENAMIC – SYSTEM SOLUTION***
VITA offers VITA ENAMIC with the holder system for CEREC/inLab (Dentsply Sirona)

VITA ENAMIC – UNIVERSAL SOLUTIONS***
CORITEC line (imes-icore GmbH), Röders RXD line (Röders GmbH), DGSHAPE DWX line (DGSHAPE Corporation), CS 3000/CS 3100 (Carestream Dental, Inc), Zfx Inhouse5x (Zfx GmbH), Milling UNIT M line (Zirkonzahn S.r.l.), N/R/S/Z/E lines (vhf camfacture AG), Organical Desktop line (R+K CAD/CAM Technologie GmbH), DMG ULTRASONIC line (DMG Mori AG)

*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.
**) More information about VITA ENAMIC IS is available in the chapter VITA IMPLANT SOLUTIONS.
***) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
› AVAILABLE SHADES

- **VITA SYSTEM 3D-MASTER, transluzent (T)**
  0M1, 1M1, 1M2, 2M1, 2M2, 2M3, 3M1, 3M2, 3M3, 4M2
- **VITA SYSTEM 3D-MASTER, high translucent (HT)**
  0M1, 1M1*, 1M2*, 2M1, 2M2*, 2M3, 3M1, 3M2*, 3M3, 4M2*
- **VITA SYSTEM 3D-MASTER, super translucent (ST)**
  1M1, 1M2, 2M2, 3M2, 4M2

*) available as multiColor

› AVAILABLE GEOMETRIES (geometries in mm)

Blocks:
- **VITA ENAMIC: EM-14**: 12 x 14 x 18; **EM-10**: 8 x 10 x 15
- **VITA ENAMIC multiColor: EMC-14**: 12 x 14 x 18; **EMC-16**: 18 x 16 x 18
- **VITA ENAMIC IS*: IS-14**: 18 x 14 x 12 (for mesostructures); **IS-16**: 18 x 16 x 18 (for abutment crowns)

*) Note: with an integrated S- or L-interface for each geometry size
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA ENAMIC
- Pack of five VITA ENAMIC hybrid ceramic blanks

VITA ENAMIC Polishing Set clinical/technical
- Two-stage polishing system with a total of six pre- and high-gloss polishers for the contra angle or the handpiece

AVAILABLE SYSTEM COMPONENTS

Bonding with VITA ADIVA LUTING SOLUTIONS
Characterization with VITA AKZENT LC
Individualization with VITA VM LC flow
Polishing with VITA Polish Hybrid polishing paste

VITA ENAMIC Polishing instruments
FACTS & FEATURES

What?
- Zirconia-reinforced, high-strength glass ceramic generation
- Available as monochromatic blanks in two translucency levels (T, HT)

Benefits?
- high reliability
  thanks to a zirconia-reinforced glass ceramic matrix
- precision-fit results
  thanks to material blanks with high edge stability
- simple processing
  thanks to good polishing characteristics and high firing stability
- brilliant esthetics
  thanks to integrated translucency, opalescence and fluorescence

What for?
- solution for anterior and posterior crowns, superstructures on implants, as well as inlays, onlays and veneers
Recommended indications?*

**VITA SUPRINITY PC**

Various (esthetic) options, thanks to a wide indication range:
- Posterior crown
- Anterior crown
- Implant-supported crown
- Veneer

Process steps

Two-step material:
- CAM fabrication, followed by crystallization or combination firing
- optional: characterization/individualization

System compatibility

**VITA SUPRINITY PC – SYSTEM SOLUTION**

VITA offers VITA SUPRINITY PC with the holder system for CEREC/inLab (Dentsply Sirona)

**VITA SUPRINITY PC – UNIVERSAL SOLUTIONS**

VITA offers VITA SUPRINITY PC with universal holder system for the CAD/CAM systems:
- CS 3000/CS 3100 (Carestream Dental, Inc), DMG ULTRASONIC series (DMG Mori AG), CORiTEC line (imes-icore GmbH), Röders RXD line (Röders GmbH), N/R/S/Z/E lines (vhf camfacture AG), MILLING UNIT M line (Zirkonzahn S.r.l.), DGSHAPE DWX line (DGSHAPE Corporation), Zfx Inhouse5x (Zfx GmbH)

*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
› AVAILABLE SHADES

- **VITA SUPRINITY PC, high translucent (HT)**
  VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2

- **VITA SUPRINITY PC, translucent (T)**
  VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2

› AVAILABLE GEOMETRIES (geometries in mm)

**Blocks:**

- **VITA SUPRINITY PC:**
  PC-14: 12 x 14 x 18
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA SUPRINITY PC
- Pack of five VITA SUPRINITY PC glass ceramic blanks

VITA SUPRINITY PC Starter Set VITA classical A1–D4/
VITA SYSTEM 3D-MASTER clinical/technical
- 12 or 16 packs of five VITA SUPRINITY PC blanks
  (one pack for each shade and translucency)
- VITA SUPRINITY Polishing Set clinical/technical
- VITA AKZENT PLUS GLAZE LT SPRAY
- Fibrous pad firing supports and platinum pins

VITA CERAMICS Polishing Set clinical/technical
- Two-stage polishing system with a total of six pre- and
  high-gloss polishers each for the contra angle or the handpiece

AVAILABLE SYSTEM COMPONENTS

Characterization with
VITA AKZENT PLUS

Individualization
with VITA VM 11

Bonding with
VITA ADIVA LUTING SOLUTIONS

Polishing with
VITA Polish Cera polishing paste

VITA CERAMICS Polishing Set
FACTS & FEATURES

What?

• Blanks comprised of hybrid ceramic and composite, which feature an integrated interface for an adhesive/titanium base
• Available as VITA ENAMIC IS hybrid ceramic (T/HT) for permanent reconstructions and VITA CAD-Temp IS composite for temporary restorations

Benefits?

VITA ENAMIC IS

• fabricating durable, implant-supported restorations using a high-load capacity hybrid ceramic
• cost-effective reconstruction thanks to time-saving CAM fabrication and efficient finishing

VITA CAD-Temp IS

• efficient fabrication of temporary restorations thanks to a fully digital process
• natural shade effect thanks to impressive light optical properties

What for?

• solution for permanent and temporary implant-supported restorations
Recommended indications?*

**VITA ENAMIC IS**
- permanent implant-supported abutment crowns (AC) and mesostructures (MS)

**VITA CAD-Temp IS**
- temporary restorations/soft-tissue management

Process steps
One-step materials:
- CAM fabrication, bond with the base and screw onto the implant; no firing!
- optional: characterization/individualization

System compatibility

**VITA IMPLANT SOLUTIONS – SYSTEM SOLUTIONS**
VITA offers VITA IMPLANT SOLUTIONS blanks with a specific holder system for the CAD/CAM system: CEREC/inLab (Dentsply Sirona)

*) These are recommended indications. For details, please refer to the respective instructions for use of the products.
› AVAILABLE SHADES

- VITA ENAMIC IS-14, translucent (T)
  MS type with S or L interface in VITA SYSTEM 3D-MASTER: 1M1, 1M2, 2M2, 3M2, 4M2
- VITA ENAMIC IS-16, high translucent (HT)
  AC type with S or L interface in VITA SYSTEM 3D-MASTER: 1M1, 1M2, 2M2, 3M2, 4M2
- VITA CAD-Temp IS-16
  AC type with S- or L-interface in VITA SYSTEM 3D-Master: 1M2T, 2M2T, 3M2T

› AVAILABLE GEOMETRIES (geometries in mm)

Blocks:
- VITA ENAMIC: IS-14: 18 x 14 x 12 (for permanent mesostructures); IS-16: 18 x 16 x 18 (for permanent abutment crowns)
- VITA CAD-Temp: IS-16: 18 x 16 x 18 (for temporary abutment crowns)

with integrated S- or L-interface for each geometry
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA IMPLANT SOLUTIONS
- Pack of five VITA ENAMIC IS hybrid ceramic blanks
- Pack of five VITA CAD-Temp IS blanks

AVAILABLE SYSTEM COMPONENTS

Bonding with VITA ADIVA IA-CEM
Characterization with VITA AKZENT LC
Individualization with VITA VM LC flow
Polishing with VITA Polish Hybrid polishing paste

TiBase/TiBase-compatible implant systems
VITA ENAMIC polishing instruments

more information: chapter Components/Accessories
VITA CAD-TEMP®

Solutions for long-term temporary restorations.

› FACTS & FEATURES

What?
• Composite made of highly cross-linked acrylate polymer with microfiller for the fabrication of long-term temporary restorations

Benefits?
• good, long-term stability
  thanks to good surface stability and fracture strength
  (period of wearing: up to three years)
• natural shade effect
  thanks to impressive light optical properties
• cost-effective fabrication of temporaries
  thanks to time-saving CAD/CAM fabrication

What for?
• solution for fully or partially anatomical long-term temporary restorations (VITA CAD-TEMP) and temporary implant-supported restorations (VITA CAD-TEMP IS)
**BASIC INFORMATION**

**Recommended indications?**

**VITA CAD-Temp monoColor**
- Bridge temporaries with up to two pontics, crown temporaries in the posterior region

**VITA CAD-Temp multiColor**
- Bridge temporaries with up to two pontics, crown temporaries in the anterior region

**VITA CAD-Temp IS**
- temporary restorations/soft-tissue management

**Process steps**
One-step materials:
- CAM fabrication, polishing and seating

**System compatibility**

**VITA CAD-Temp – SYSTEM SOLUTION**
VITA offers VITA CAD-Temp with specific holder system for CEREC/inLab (Dentsply Sirona)

**VITA CAD-Temp – UNIVERSAL SOLUTIONS**
VITA offers VITA CAD-Temp in a universal disc geometry (Ø 98.4 mm) for the CAD/CAM systems: CORiTEC line (imes-icore GmbH), DGSHAPE DWX line (DGSHAPE Corporation), DMG ULTRASONIC series (DMG Mori AG), CS 3000/CS 3100 (Carestream Dental, Inc.), Röders RXD line (Röders GmbH), inLab MC X5 (Dentsply Sirona), N/R/S/Z/E lines (vhf camfacturer AG))

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Note: VITA CAD-Temp DISCs can be processed with all open CAD/CAM systems, which are suitable to mill discs with a diameter of 98.4 mm (including the circumferential groove).

*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.

**) More information about VITA CAD-Temp IS is available in the chapter VITA IMPLANT SOLUTIONS.

***) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
AVAILABLE SHADES

- **VITA CAD-Temp monoColor**
  VITA SYSTEM 3D-MASTER: 0M1T (for CT-40), 1M2T, 2M2T, 3M2T

- **VITA CAD-Temp multiColor**
  VITA SYSTEM 3D-MASTER: 1M2T, 2M2T, 3M2T

AVAILABLE GEOMETRIES (geometries in mm)

**Discs (Ø 98.4 mm):**
- **VITA CAD-Temp monoColor:** h 20
- **VITA CAD-Temp multiColor:** h 18

**Blocks:**
- **VITA CAD-Temp monoColor block CT-40:** 15.5 x 19 x 39, **CT-55:** 15.5 x 19 x 55
- **VITA CAD-Temp multiColor: CTM-40:** 15.5 x 19 x 39; **CTM-85/40:** 18 x 40 x 85
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA CAD-Temp monoColor/multiColor
- Pack of VITA CAD-Temp containing one, two or 10 blank(s)
- Pack of one VITA CAD-Temp Disc blank

AVAILABLE SYSTEM COMPONENTS

Bonding with VITA ADIVA LUTING SOLUTIONS

Polishing with VITA Polish Hybrid polishing paste

Characterization with VITA AKZENT LC

Individualization with VITA VM LC flow

more information: chapter Components/Accessories
FACTS & FEATURES

What? • Acrylate polymer that burns out without leaving any residue for computer-aided fabrication of wax-ups for press and casting techniques

Benefits? • class 1 medical device
  Restorations can be tried in the mouth
• cast and pressed restorations free from bubbles and cavities since the CAD-Waxx material burns out without leaving any residue

What for? • aid for the digital wax-up technique
VITA CAD-WAXX

▶ BASIC INFORMATION

Recommended indications?*

VITA CAD-Waxx

• for the fabrication of pressed/cast objects

Process steps

One-step materials:
• CAM fabrication of pressed objects

System compatibility

VITA CAD-Temp – SYSTEM SOLUTION

VITA offers VITA CAD-Waxx with the specific holder system for CEREC/inLab (Dentsply Sirona)

Note: VITA CAD-Waxx DISCs can be processed with all open CAD/CAM systems, which are suitable to mill discs with a diameter of 98.4 mm (including the circumferential groove).

*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.
AVAILABLE SHADES

- VITA CAD-Waxx
  blanks are transparent

AVAILABLE GEOMETRIES (geometries in mm)

**Discs (Ø 98.4 mm):**
- VITA CAD-Waxx: h 20

**Blocks:**
- VITA CAD-Waxx: CW-40/15: 14 x 15 x 40
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA CAD-Waxx

- Pack of VITA CAD-Waxx containing two or 10 blanks
- Pack of one VITA CAD-Waxx Disc blank
FACTS & FEATURES

What?
• Coordinated material system made from ZrO₂ blanks and accompanying system components, such as liquids and stains.
• Available as non-colored, monochromatic and multichromatic versions in up to four translucency levels (T/HT/ST/XT)

Benefits?
• reliably reproduce tooth shades
  using a material system with ideally matched components
• create highly accurate restorations
  with material blanks with edge stability, homogeneous microstructures and tested sintering properties
• achieve efficient, solid and esthetic results
  thanks to tooth-shaded precolored (multi)color blanks with good shade matching to the VITA classical A1–D4 shade guide

What for?
• solution for the fabrication of precise and true-to-shade partially/fully and monolithic veneered anterior and posterior bridge restorations
VITA YZ® SOLUTIONS

BASIC INFORMATION

Recommended indications?*

**VITA YZ T/HT**
- natural, individual, fully veneered substructures

**VITA YZ ST**
- monolithic and partially/fully veneered posterior restorations

**VITA YZ XT**
- monolithic and partially/fully veneered anterior restorations

Process steps

Four-step material VITA YZ T/HT
- CAM fabrication, sintering, full veneering, glaze firing

Three-step material VITA YZ ST/XT
- CAM fabrication, sintering, glaze firing
- optional: partial/full veneering

System compatibility

**VITA YZ SOLUTIONS – SYSTEM SOLUTIONS**
VITA offers VITA YZ blanks with a specific holder system for the CAD/CAM system:
inLab MC XL family, CEREC MC XL family*** (Dentsply Sirona)

**VITA YZ SOLUTIONS – UNIVERSAL SOLUTIONS**
CORITEC line (imes-icore GmbH), DMG ULTRASONIC series (DMG Mori AG), Röders RXD line (Röders GmbH), N/R/S/Z/E lines (vhf camfacture AG), inLab MC X5 (Dentsply Sirona), Ceramill mikro/Motion/Matik/DRS lines (Amann Girrbach AG)****

Note: VITA YZ Discs can be processed with all open CAD/CAM systems, which are suitable to mill discs with a diameter of 98.4 mm (including the circumferential groove).

*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.

****) CEREC MC XL family applies only for VITA YZ HT, inLab MC XL family for T and HT.

****) Only with adapter for 98.4 mm discs
〉AVAILABLE SHADES

VITA YZ T, translucent
- \( \text{T}^{\text{White}} \): non-colored for manual coloring using VITA YZ T COLORING LIQUIDS
- \( \text{T}^{\text{Color}} \): precolored in the lightness levels LL1 (light)*, LL2 (medium), LL3 (intense)

VITA YZ HT, high translucent
- \( \text{HT}^{\text{White}} \): non-colored for manual coloring using VITA YZ HT SHADE LIQUIDS
- \( \text{HT}^{\text{Color**}} \): A1, A2, A3, 1M2, 2M2, 3M2

VITA YZ ST/XT, super translucent/extra translucent
- \( \text{ST/XT}^{\text{White**}} \): non-colored for manual coloring using VITA YZ ST/XT SHADE LIQUIDS
- \( \text{ST/XT}^{\text{Color**}} \): all 16 VITA classical A1-D4 shades VITA YZ STColor: 1M1, 2M1, 3M1
- \( \text{XT}^{\text{Multicolor**}} \): A1, A2, A3, A3.5, B2, C2, D2
- \( \text{ST}^{\text{Multicolor**}} \): A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4, 0M1, 1M1, 2M1, 3M1, 4M1

*) VITA YZ T\(^{\text{Color}}\) block geometries are only available in LL1
**) Only available in disc geometry

〉AVAILABLE GEOMETRIES (geometries in mm)

Discs (Ø 98.4 mm):
- VITA YZ T/HT: h 12*, 14, 16*, 18, 20, 25
- VITA YZ ST/XT: h 14**, 18**, 20, 22** (exclusively for Multicolor), 25

Blocks:
- VITA YZ T: 20/19: 20 x 19 x 15.5; 40/19: 39 x 19 x 15.5; 55: 55 x 19 x 15.5; 65/25: 65 x 25 x 22
- VITA YZ HT*: 20/19: 20 x 19 x 15.5; 40/19: 39 x 19 x 15.5; 55/19: 55 x 19 x 19; 65/25: 65 x 25 x 22

Note: The available range of geometries may differ with individual White and (Multi)Color variants.
*) Only available as T/HT\(^{\text{White}}\) variants.
**) \( \text{ST}^{\text{Multicolor}} \) and \( \text{XT}^{\text{Multicolor}} \) are only available in: 14, 18 and 22 mm; 25 mm only for \( \text{ST}^{\text{Multicolor}} \)
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA YZ T/HT
- Pack of one, two or four VITA YZ T/HT blank(s)
- Pack of one VITA YZ T/HT Disc blank

VITA YZ ST/XT
- Pack of one VITA YZ ST/XT Disc blank

AVAILABLE SYSTEM COMPONENTS

Bonding with VITA ADIVA LUTING SOLUTIONS
Polishing with VITA Polish Cera polishing paste and VITA CERAMICS Polishing Sets
Coloring with VITA YZ LIQUIDS
Sintering with VITA ZYRCOMAT 6100 MS
Individualization with VITA LUMEX AC
Characterization with VITA AKZENT PLUS
System components/accessories
Proven solutions during processing

- For digital shade determination, use VITA Easyshade LITE or VITA Easyshade V and for visual shade determination, the VITA Linearguide 3D-MASTER or VITA classical A1–D4, for example.
- For CAD/CAM fabrication, VITA offers you highly-esthetic feldspar ceramic, high-strength glass ceramic, innovative hybrid ceramic and zirconia, as well as the zirconia-reinforced lithium disilicate ceramic VITA AMBRIA as a press ceramic – simply select the best material solution for your individual requirements.
- For feldspar, glass ceramics and zirconia, use VITA AKZENT PLUS stains and the VITA LUMEX AC or VITA VM 11 veneering ceramics. In terms of metal ceramics, you can choose between VITA VM 13 and VITA VMK MASTER, and for individualization of the VITA ENAMIC hybrid ceramic, either VITA AKZENT LC stains or VITA VM LC veneering resin.
- Glaze, stains and/or dentine and crystallization firing are best carried out with the VITA VACUMAT 6000 M premium firing unit, and in clinics with the VITA SMART.FIRE premium firing unit specially tailored to chairside restorations.
- You can use the VITA VACUMAT 6000 MP combipress unit to fire and press your press ceramics.
- 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.
- In the case of VITA feldspar ceramics, use polishing systems suitable for silicate ceramics (e.g., VITA Polish Cera).
- For VITA ceramics and hybrid ceramics, the VITA CERAMICS/VITA ENAMIC Polishing Sets should ideally be used.
- VITA ADIVA LUTING SOLUTIONS are products for adhesive bonding of restorations made of feldspar, glass ceramic and hybrid ceramic, and are matched to VITA materials.

*) 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 zirconia is used, sinter firing is carried out prior to characterization/individualization.
System components

VITABLOCS® system components

VITA CERAMICS Polishing Set clinical/technical
Two-stage polishing system with a total of six pre- and high-gloss polishers each for the contra angle or the handpiece.

VITA Polish Cera
Diamond polishing paste for extraoral high-gloss polishing of restorations made of dental ceramic materials: feldspar ceramics, glass ceramics and zirconia ceramics.

VITA AKZENT PLUS
Fluorescent stains made of glazing and masking materials. Available as powder or paste.

VITA LUMEX AC
Veneer all common substructure ceramics (+titanium) with the highly esthetic veneering ceramic VITA LUMEX AC.

VITA ENAMIC® system components

VITA ENAMIC Polishing Set clinical/technical
Two-stage polishing system with a total number of six pre- and high-gloss polishers each for the contra angle or the handpiece.

VITA Polish Hybrid
Diamond polishing paste for extraoral and final high-gloss polishing of restorations made of VITA ENAMIC hybrid ceramic, composite and polymer.

VITA AKZENT LC
Light-curing stains for the reproduction of natural shade nuances of VITA ENAMIC restorations.

VITA VM LC flow
Light-curing, low-viscous composite materials for individualizing restorations made of VITA ENAMIC, for example.
VITA SUPRINITY® system components

VITA CERAMICS Polishing Set clinical/technical
Two-stage polishing system with a total number of six pre- and high-gloss polishers each for the contra angle or the handpiece.

VITA AKZENT PLUS
Fluorescent stains made of glazing and masking materials. Available as powder or paste.

VITA VM 11
Veneering material for individualizing VITA SUPRINITY PC. Available as CREATIVE KIT with 26 EFFECT materials or DENTINE KIT with 10 materials.

VITA YZ® SOLUTIONS system components

VITA YZ T COLORING LIQUID
Liquids in four shade nuances for individually coloring VITA YZ T substructures.

VITA YZ HT/ST/XT SHADE LIQUIDS
Liquids for manual coloring of VITA YZ HT/ST/XT restorations.

VITA AKZENT PLUS
Fluorescent stains made of glazing and masking materials. Available as powder, paste or spray.

VITA LUMEX AC
Veneering material for individualizing VITA YZ substructures.

VITA Polish Cera
Diamond polishing paste for extraoral high-gloss polishing of restorations made of dental ceramic materials: feldspar ceramics, glass ceramics and zirconia ceramics.
› Accessories

› SHADE DETERMINATION/EVALUATION

VITA Easyshade V
For digital shade determination within seconds (results in shade standards, such as VITA SYSTEM 3D-MASTER, VITA classical A1–D4 and many others.)

VITA Linearguide 3D-MASTER
With this guide, you can determine the correct tooth shade in just two steps.

VITA classical A1–D4 shade guide
Simple shade selection using direct comparison of shade samples with the natural tooth in a single step.

› UNITS FOR FIRING

VITA VACUMAT 6000 M
Fully automatic premium firing unit for crystallization and stains firing, as well as firing veneering materials in a compact design.

VITA ZYRCOMAT 6100 MS
High-speed sintering furnace for zirconia-based dental ceramic substructure materials. Convenient one-touch-operation with VITA vPad control panels.

VITA SMART.FIRE
Developed specifically for dental practices for crystallization, glaze, stains and corrective firing of all common chairside materials.
MATERIALS FOR BONDING

**VITA ADIVA FULL-ADHESIVE**
Fully adhesive bonding system with all components required for the conditioning of tooth substance and restoration materials made of feldspar, glass, hybrid ceramic, zirconia, composite and metal.

**VITA ADIVA SELF-ADHESIVE**
Self-adhesive bonding system with all components required for conditioning and bonding of restoration materials made of feldspar, glass, hybrid ceramic, zirconia, composite and metal.

**VITA ADIVA IA-CEM**
Ultra-opaque composite cement for bonding crowns on titanium bases, individual titanium abutments and discolored tooth stumps.

**VITA ADIVA TE-CEM**
Dual-curing translucent composite cement for temporary bonding of restorations.

**VITA ADIVA T-BOND SET**
Dual-hardening bonding system for a secure bond between the adhesive composite and the tooth substance.

**VITA ADIVA TOOTH-ETCH**
Phosphoric acid gel, 37%, with blue coloring, for etching tooth substance.

**VITA ADIVA CERA-ETCH**
Hydrofluoric acid gel, 5%, with red coloring, for etching feldspar, glass and hybrid ceramic restorations. Intended for extraoral use only!

**VITA ADIVA OXY-PREVENT**
Neutral-colored glycerine gel to prevent the formation of an oxygen inhibition layer. Can also be used as a try-in paste.

**VITA ADIVA PRIMER**
Bonding agent for restorations made of feldspar, glass and hybrid ceramic (C-PRIME), zirconia (ZR-PRIME) and metals, as well as alloys (M-PRIME).
# VITA CAD/CAM MATERIALS – Bonding recommendations

<table>
<thead>
<tr>
<th>VITA CAD/CAM Material</th>
<th>Material class</th>
<th>Type of bonding</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>adhesive</td>
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<tr>
<td>VITABLOCS</td>
<td>Silicate ceramic</td>
<td>![Recommended]</td>
</tr>
<tr>
<td>VITA ENAMIC</td>
<td>Hybrid ceramic</td>
<td>![Recommended]</td>
</tr>
<tr>
<td>VITA SUPRINITY PC</td>
<td>Zirconia-reinforced lithium silicate ceramic</td>
<td>![Recommended]</td>
</tr>
<tr>
<td>VITA YZ SOLUTIONS³</td>
<td>Zirconia</td>
<td>![Recommended]</td>
</tr>
</tbody>
</table>

## Glass ionomers
- **Silicate ceramic**: not possible
- **Hybrid ceramic**: not possible
- **Zirconia-reinforced lithium silicate ceramic**: Ketac Cem (3M ESPE), Vivaglass CEM (Ivoclar Vivadent), FujiCem (GC Dental)
- **Zirconia**: Ketac CEM (3M ESPE), Vivaglass CEM (Ivoclar Vivadent), GC Fuji I (GC Dental)

## Adhesive materials
- **Silicate ceramic**: VITA ADIVA F-CEM, VITA ADIVA IA-CEM, ultra-opak (VITA Zahnfabrik), Variolink Esthetic (Ivoclar Vivadent), Multilink Automix (Ivoclar Vivadent), Vitique (DMG), NX3 (KerrHawe), Calibra Ceram (Dentsply Sirona), RelyX Ultimate (3M ESPE), Bifix QM (VOCO), PANAVIA V5 (Kuraray Noritake), DuoCem (Coltène/Whaledent)
- **Hybrid ceramic**: VITA ADIVA F-CEM, VITA ADIVA IA-CEM, ultra-opak (VITA Zahnfabrik), Variolink Esthetic (Ivoclar Vivadent), Vitique (DMG), NX3 (KerrHawe), Calibra Ceram (Dentsply Sirona), RelyX Ultimate (3M ESPE), Bifix QM (VOCO), Panavia V5 (Kuraray), DuoCem (Coltène/Whaledent)
- **Zirconia-reinforced lithium silicate ceramic**: VITA ADIVA F-CEM, VITA ADIVA IA-CEM, ultra-opak (VITA Zahnfabrik), Variolink Esthetic (Ivoclar Vivadent), Vitique (DMG), NX3 (KerrHawe), Calibra Ceram (Dentsply Sirona), RelyX Ultimate (3M ESPE), Bifix QM (VOCO), Panavia V5 (Kuraray), DuoCem (Coltène/Whaledent)
- **Zirconia**: Ketac CEM (3M ESPE), Vivaglass CEM (Ivoclar Vivadent), GC Fuji I (GC Dental), Multilink Automix (Ivoclar Vivadent), Panavia V5 (Kuraray)

## Self-adhesive materials
- **Silicate ceramic**: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)
- **Hybrid ceramic**: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)
- **Zirconia-reinforced lithium silicate ceramic**: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)
- **Zirconia**: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)

## Please note:
1. In the case of silicate ceramics and hybrid ceramics, self-adhesive bonding composites may only be used for crowns.
2. Conventional bonding materials (e.g., Ketac CEM, 3M ESPE, Vivaglass CEM, Ivoclar Vivadent, GC Fuji I, GC Dental) may be used exclusively for crowns on 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.
3. Oxide ceramics cannot be etched using hydrofluoric acid gel and must be sandblasted with Al₂O₃ (50 μm) at a maximum pressure of two bar, prior to bonding to increase the retention. The phosphate monomer contained in the composites/primers will create a chemical bond between the sandblasted oxide ceramic surface and the composite. Adhesive bonding is recommended for short stumps (≤ 4 mm).
We are here to help

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

Sales Support Hotline
Tel. +49 (0) 7761 / 56 28 84
Fax +49 (0) 7761 / 56 22 99
8 a.m. to 5 p.m.

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

Technical Hotline
Tel. +49 (0) 7761 / 56 22 22
Fax +49 (0) 7761 / 56 24 46
8.00 a.m. to 5 p.m.

If you have technical questions concerning the VITA CAD/CAM product solutions, you can contact the Technical Service.

Email contact
You can email your questions and requests to info@vita-zahnfabrik.com!

Additional international contact information can be found at www.vita-zahnfabrik.com/contacts
More information about VITA CAD/CAM MATERIALS is available at: www.vita-zahnfabrik.com/cadcam

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

CE 0124
VITA Blocs®, VITA ENAMIC®, VITA SUPRINITY® PC, VITA LUMEX® AC, VITA/VM-11, VITA/VM-JC flow, VITA AKZENT® PLUS, VITA AKZENT® LC, VITA CAD-Temp®, VITA YZ® T, VITA YZ® HT, VITA YZ® ST, VITA YZ® XT, VITA YZ® T COLORING LIQUID

Zirkonzahn Srl. has been certified in accordance with the Medical Device Directive and the following product bears the CE mark

CE 0476
VITA YZ® HT SHADE LIQUID, VITA YZ® ST SHADE LIQUID, VITA YZ® XT SHADE LIQUID

Ernst Vetter GmbH has been certified and the following product bears the CE mark:

CE 0483
VITA CERAMICS Polishing Set clinical

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

CE 0482
VITA ADIVA® F-CEM, VITA ADIVA® S-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, VITA ADIVA® OXY-PREVENT

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