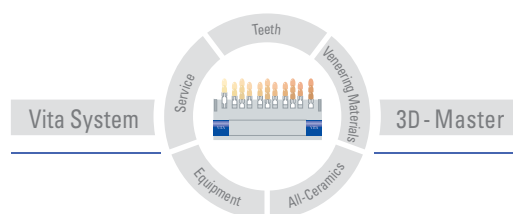


VITA All-Ceramics

# VITA In-Ceram<sup>®</sup> ZIRCONIA



Working Instructions  
Fabrication of the substructure  
with the slip technique  
Date of issue: 02-08



**VITA**

**VITA In-Ceram® ZIRCONIA is based on many years of clinical experience with VITA In-Ceram® and offers the following advantages:**

- optimum aesthetics and excellent biocompatibility, i.e.:
  - no exposed metal margin
  - no retraction of gingiva
  - excellent marginal fit (see fig. below)
- withstands high functional stress due to excellent physical values
- no thermal irritations due to low thermometric conductivity
- possibility of non-adhesive integration
- excellent acceptance among patients
- positive cost/benefit ratio (e.g. no additional costs for high-quality alloys)
- standardized dental-technical procedures
- expandable system
- more than 15 years of clinical experience

#### **Indications of VITA In-Ceram® ZIRCONIA**

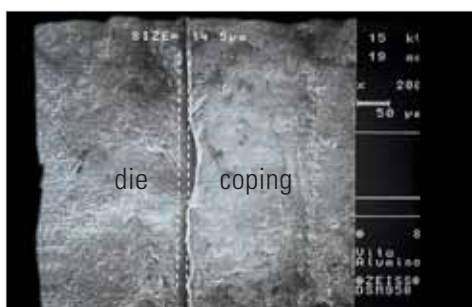
- single crowns in the anterior and posterior area
- three-unit bridges up to the molar area
- single crowns and three-unit bridges on implants

#### **VITA In-Ceram® ZIRCONIA should not be used in the following cases:**

Functionally appropriate design of the restoration not ensured.

Additional contraindications:

- in cases of insufficient hard tooth substance
- in cases of insufficient preparation results
- in case of bruxism



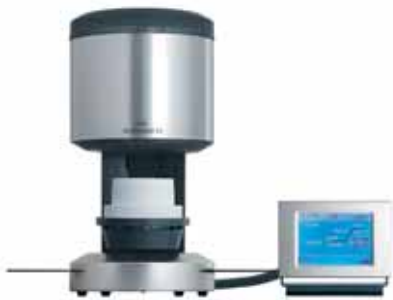
For information on preparation and cementing please refer to booklet "Clinical Aspects" (publication 808E).

Marginal gap measurement of VITA In-Ceram ALUMINA coping (Prof. H. Kappert).  
The gap corresponds to a width of 14.5 µm



Assortment	VITA Order No:
<b>VITA In-Ceram® ZIRCONIA assortment</b> in the modular box, complete  <b>containing (also available individually):</b> VITA In-Ceram ZIRCONIA GLASS POWDER Z21N, 25g* VITA In-Ceram ZIRCONIA GLASS POWDER Z22N, 25g VITA In-Ceram ZIRCONIA GLASS POWDER Z23N, 25g* VITA In-Ceram ZIRCONIA GLASS POWDER Z24N, 25g*  VITA In-Ceram ZIRCONIA POWDER 200g* VITA In-Ceram ZIRCONIA POWDER 300g In-Ceram ALUMINA/ZIRCONIA mixing liquid 20 ampoules, 5 ml each VITA In-Ceram ZIRCONIA Additive 5ml  VITA In-Ceram GLASS POWDER shade guide VITA In-Ceram ZIRCONIA Working Instructions	<b>HSORZV2</b>  HZ 2125N HZ 2225N HZ 2325N HZ 2425N  HZP 300 HAFN 5  HZ 5  B 271 IC 900E

\* Materials are not included in the assortment



- The VITA INCERAMAT 3T and



- the VITASONIC II ultrasonic unit are components of the basic VITA In-Ceram system.



- VITA VM 7 BASIC KIT, fine-particle ceramic for veneering the VITA In-Ceram ZIRCONIA substructures.

<b>VITA In-Ceram® ZIRCONIA processing method:</b>		
<b>1.</b>	Produce working and master model	Setting of special plaster in the duplicate mould: 2 hrs.
<b>2.</b>	Block out working model	
<b>3.</b>	Apply VITA In-Ceram interspace varnish	Setting: 20 min.
<b>4.</b>	Duplicate	Setting: approx. 20 min.
<b>5.</b>	Deflasking	Recovery time: at least 30 min.
<b>6.</b>	Prepare firing tray model	Setting: 2 hrs.
<b>6a.</b>	for bridges: glue firing tray model onto the firing support and saw	Setting: 10 min.
<b>7.</b>	Mix VITA In-Ceram ZIRCONIA Powder and apply	
<b>8.</b>	1st sinter firing in the VITA INCERAMAT	
<b>8a.</b>	2nd sinter firing in the VITA INCERAMAT without plaster dies	
<b>9.</b>	Rework sintered substructure	
<b>10.</b>	Apply VITA In-Ceram ZIRCONIA GLASS POWDER	
<b>11.</b>	Glass infiltration firing in the VITA INCERAMAT	
<b>12.</b>	Remove/blast off excess glass	
<b>13.</b>	1st glass control firing in the VITA VACUMAT	
<b>13a.</b>	2nd glass control firing in the VITA VACUMAT	
<b>14</b>	Veneer substructure with VITA VM 7	