

Ceramic Systems

Nuance 750

Nuance 850

Tizian



Inspiring ceramic systems

Nuance 750, Nuance 850, Tizian



Working with these ceramic systems is fun! They are ideal for simple and quickly finished facings just as they are for a 14-unit implant-supported bridge. A very natural color reproduction and high translucence let you fabricate highly aesthetic restorations.

Advantages

- very dense surfaces
- exciting characterizations with coats of chroma
- particle size between 0.03 μm and 60 μm for a minimal shrinkage during the firing process
- hardness values are very similar to those of the natural enamel
- very gentle on the antagonists
- a bonding strength that clearly exceeds the norm
- free of feldspar for high transparency and excellent aesthetics
- brilliant, even after multiple firings
- homogeneous and dense right after the first firing
- extraordinary polishing behavior
- safe and color-stable layering



CTE values of compatible frameworks

Nuance 750	15.9 – 16.8 10^{-6} K^{-1}
Nuance 850	13.8 – 15.0 10^{-6} K^{-1}
Tizian Ti	9.6 10^{-6} K^{-1}
Tizian ZrO ₂	10.4 10^{-6} K^{-1}

Quickly find the proper tooth color

Tizian combination table																
	A					B				C				D		
Opaquers	O- A1	O- A2	O- A3	O- A3.5	O- A4	O- B1	O- B2	O- B3	O- B4	O- C1	O- C2	O- C3	O- C4	O- D2	O- D3	O- D4
Opaquers dentin	OD- A1	OD- A2	OD- A3	OD- A3.5	OD- A4	OD- B1	OD- B2	OD- B3	OD- B4	OD- C1	OD- C2	OD- C3	OD- C4	OD- D2	OD- D3	OD- D4
Dentin	D- A1	D- A2	D- A3	D- A3.5	D- A4	D- B1	D- B2	D- B3	D- B4	D- C1	D- C2	D- C3	D- C4	D- D2	D- D3	D- D4
Incisal	1	2	2	4	4	1	2	3	4	2	2	3	4	1	2	3

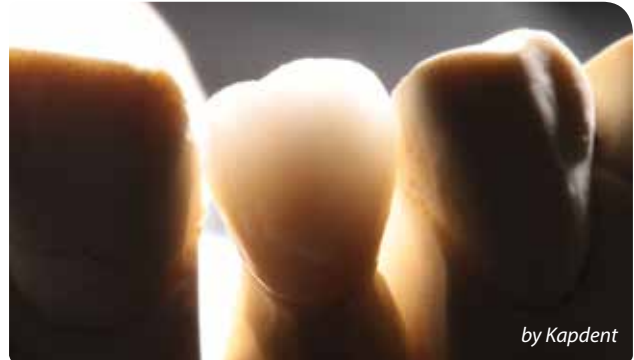
Nuance 750

for frameworks made of universal alloys and pressing ceramics

Veneer frameworks safely and aesthetically with this low-fusing ceramic system. Nuance 750 ceramic material has a refractive index that comes very close to the refractive index of natural teeth. This guarantees excellent aesthetics and a safe veneering technique.

Advantages

- alloys for CTE: $\approx 15.9-16.8 \cdot 10^{-6} \text{ K}^{-1}$
- for veneering correspondent alloys and pressing ceramics
- free of feldspar for high transparency and excellent aesthetics
- brilliant, even after multiple firings
- homogeneous and dense right after the first firing
- extraordinary polishing behavior
- safe and color-stable layering



All ceramic crown made of Nuance pressing ceramics, veneered with Nuance 750



Attachment restoration veneered with Nuance 750

Firing table – Nuance 750

	Wash firing	Opaquer firing	Shoulder mass firing	1. Dentin firing	2. Dentin firing	Glaze firing
Lowering the firing tray	–	–	–	–	–	–
Holding time in min.	2	2	2	1	1	1
Firing temperature °C	820	820	810	790	785	755
Vacuum stop °C	819	819	809	789	784	–
Vacuum start °C	450	450	450	450	450	–
Temperature increase °C/min.	55	55	45	45	45	55
Drying time in min.	6	6	4	4	4	4
Preheating temperature °C	400	400	400	400	400	400

The temperatures listed above are guideline values only. The temperatures may vary with different furnace models.

Nuance 850

for frameworks made of ceramic alloys with a conventional CTE



by Kapdent

Framework made of non-precious alloy, veneered with Nuance 850



by Kapdent

Whether your frameworks are made of non-precious alloys, bio alloys, classic ceramic alloys or economic alloys: with Nuance 850, you will work safely and obtain outstanding results. The high density of the ceramic material helps you obtain the luminance that your work deserves.

Advantages

- alloys for CTE: 13.8-15.0 10^{-6} K^{-1}
- no long-term cooling necessary
- very dense surfaces
- exciting characterizations with coats of chroma
- particle size between 0.03 μm and 60 μm for a minimal shrinkage during the firing process
- hardness values are very similar to those of the natural enamel
- very gentle on the antagonists
- a bonding strength that clearly exceeds the norm

Firing table – Nuance 850

	Wash firing	Opaquer firing	Shoulder mass firing	1. Dentin firing	2. Dentin firing	Glaze firing	NE-Bond firing
Lowering the firing tray	–	–	–	–	–	–	–
Holding time in min.	2	1	1	1,5	1,5	1	2
Firing temperature °C	885	880	875	865	860	840	895
Vacuum stop °C	884	879	870	864	859	–	894
Vacuum start °C	450	450	450	450	450	–	450
Temperature increase °C/min.	70	70	70	50	50	50	70
Drying time in min.	6	6	4	5	4	5	6
Preheating temperature °C	400	400	400	400	400	400	400

The temperatures listed above are guideline values only. The temperatures may vary with different furnace models.

Tizian

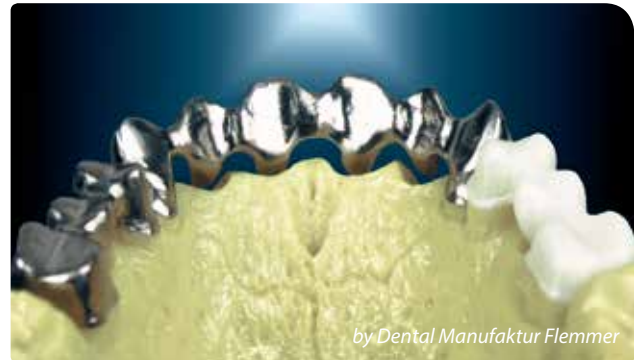
for frameworks made of titanium or zirconium dioxide

Tizian

Tizian for frameworks made of titanium or zirconium dioxide. The special formula of the product allows you to veneer both zirconium dioxide and titanium safely and aesthetically. For veneers on zirconium dioxide frameworks use the liner; for veneers on titanium frameworks use the opaquer - you will obtain ideal bonding values for both materials.

Advantages

- zirconium dioxide for CTE: $10.4 \cdot 10^{-6} \text{ K}^{-1}$
- titanium for CTE: $9.6 \cdot 10^{-6} \text{ K}^{-1}$
- brilliant, even after multiple firings
- very dense surfaces
- exciting characterizations with coats of chroma
- particle size between $0.03 \mu\text{m}$ and $60 \mu\text{m}$ for a minimal shrinkage during the firing process
- hardness values are very similar to those of the natural enamel
- very gentle on the antagonists
- a bonding strength that clearly exceeds the norm



by Dental Manufaktur Flemmer

Tizian ceramics for veneers on titanium or zirconium dioxide frameworks



by Kapdent

For a firing table for titanium, please see the instructions.

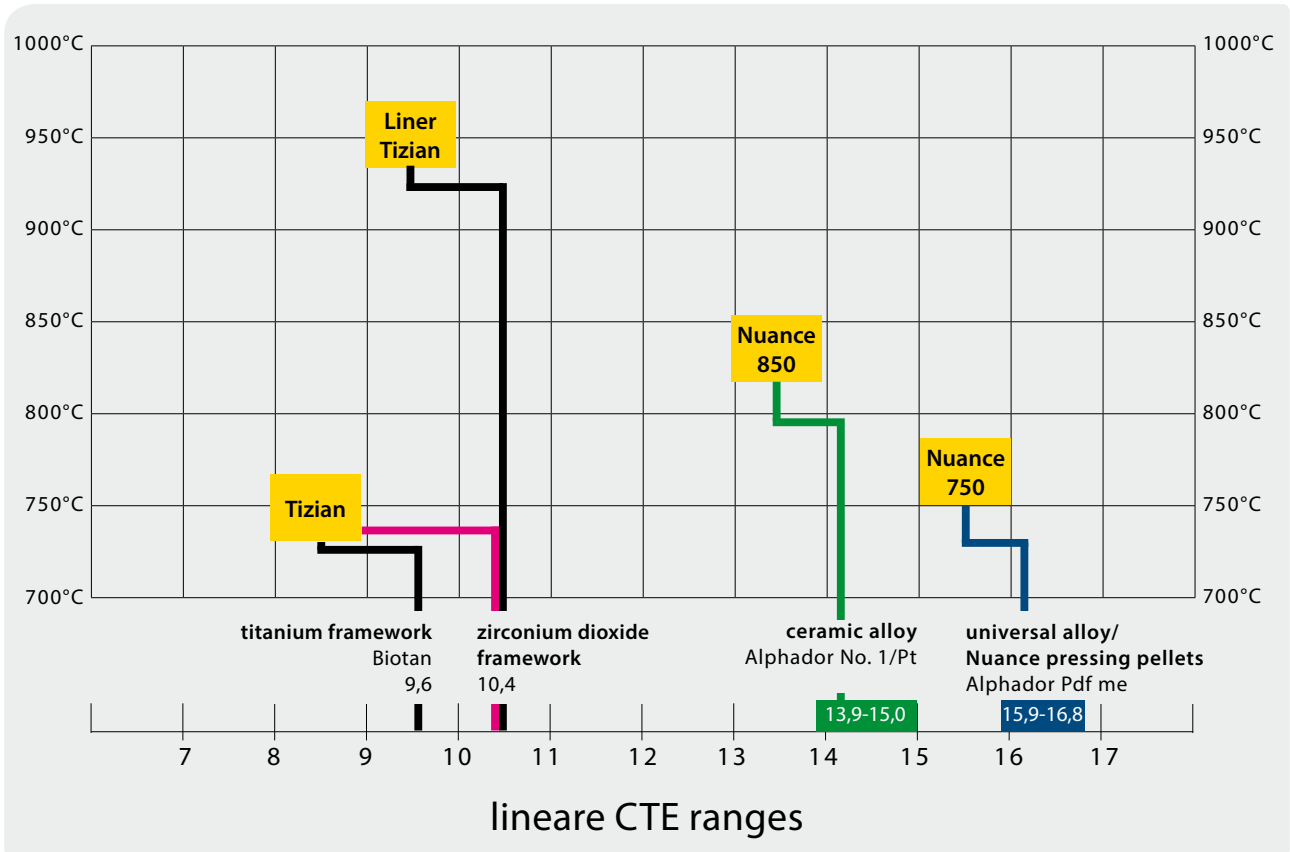
Firing table – Tizian for zirconium dioxide frameworks

	Liner firing	1. Dentin firing	2. Dentin firing	3. Dentin firing	Glaze firing
Lowering the firing tray	–	–	–	–	–
Holding time in min.	1	1	1	1	1
Firing temperature °C	980	780	770	760	with Glaze 750 without Glaze 760
Vacuum stop °C	979	779	769	759	0 / 749
Vacuum start °C	450	450	450	450	0 / 450
Temperature increase °C/min.	60	45	45	45	45
Drying time in min.	4	4	4	4	4
Preheating temperature °C	400	400	400	400	400

The temperatures listed above are guideline values only. The temperatures may vary with different furnace models.

Working ranges

CTE correlation $\ast(10^{-6}K^{-1})$



Order your test set today!

Call us at +49 6003 814 365

- Test set Nuance 750
art. no. 624594
- Test set Nuance 850
art. no. 624290
- Test set Tizian
art. no. 624872



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