

Ceramco® 3

Metal Veneering Porcelain

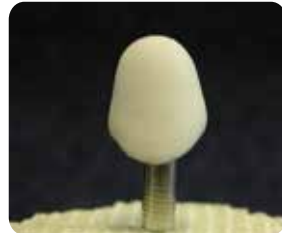
Powder Opaque Quick Start Instructions

Note: Complete instructions for use may be found in the Ceramco3 Directions for Use.
The Ceramco3 C3 Shade Series is keyed to Vita® 3-D Master®¹ Shades Series.²

Powder Opaque Application



1. Apply the powder opaque to mask out the metal.



2. Dry the excess liquid from the opaque porcelain and fire to recommended temperatures.



3. Correct visual indicator: Slight sheen.

4. Moisten the dried opaque porcelain mixture with distilled water only. Repeat steps 1 to 3 to ensure the metal is masked out. Correct visual indicator: Slight sheen.



1. Opaceous dentins are the same shade as the dentins, but with 10% more opacity. Apply a thin layer to the opaques surface.



2. Apply the dentin porcelain allowing room for the enamel porcelain.



3. Mamelon porcelain may be placed on the lobes.

Dentin and Enamel Application



4. Apply the appropriate enamel porcelain.



5. Additional translucent and enamel porcelains may be used for various effects.

Completing the Crowns



1. Fire according to the recommended temperatures.



2. Apply the overglaze and stains. Fire the crown according to the recommended temperatures.



3. Completed basic crown.



4. Completed crown with internal characterization.

¹Vita® and 3-D Master® are registered trademarks of Vita Zahnfabrik H. Rauter GmbH & Co. ²Data on file.

Ceramco®3 Shade Chart Powder Opaque Application Ceramco®3 Build-Up

Ceramco®3 C3 Shade Series	Keyed to Vita® 3-D Master® Shades ²	Enamel	Margin Porcelain	Dentin Modifier
C3-101	1M1	C3-Light (EN-2)	A1	B1
C3-102	1M2	C3-Light (EN-2)	A1	A1
C3-203	2L1.5	C3-Light (EN-2)	B2	B1
C3-204	2L2.5	C3-Light (EN-2)	A3	A1
C3-205	2M1	C3-Light (EN-2)	C1	C1
C3-206	2M2	C3-Light (EN-2)	A1	A1
C3-207	2M3	C3-Light (EN-2)	A3	A1
C3-208	2R1.5	C3-Light (EN-2)	C1	A1
C3-209	2R2.5	C3-Light (EN-2)	A1	A1
C3-310	3L1.5	C3-Light (EN-2)	C3	C3
C3-311	3L2.5	C3-Light (EN-2)	A3	B3
C3-312	3M1	C3-Light (EN-2)	C1	C1
C3-313	3M2	C3-Light (EN-2)	A3	C3
C3-314	3M3	C3-Light (EN-2)	A3	A3.5
C3-315	3R1.5	C3-Light (EN-2)	A3	B3
C3-316	3R2.5	C3-Light (EN-2)	A3	A3.5
C3-417	4L1.5	C3-Light (EN-2)	C3	C3
C3-418	4L2.5	C3-Light (EN-2)	A4	A3.5
C3-419	4M1	C3-Light (EN-2)	A3	C3
C3-420	4M2	C3-Light (EN-2)	A4	A3.5
C3-421	4M3	C3-Light (EN-2)	A4	A3.5
C3-422	4R1.5	C3-Light (EN-2)	A3	A3.5
C3-423	4R2.5	C3-Light (EN-2)	A4	A3.5
C3-524	5M1	C3-Light (EN-2)	C3	C3
C3-525	5M2	C3-Light (EN-2)	A4	A3.5
C3-526	5M3	C3-Light (EN-2)	A4	A3.5

Shade	Natural Enamel	Opal Effect Enamel	Margin Porcelain	Mamelon	Dentin Modifier
i1	Extra Light	Opal Light	i1	Yellow-Orange	A1
i2	Extra Light	Opal Light	i2	Yellow-Orange	B1
i3	Extra Light	Opal Light	i1	Yellow-Orange	A1
i4	White	Opal White	i2	Yellow-Orange	B1
i5	White	Opal White	i5	Yellow-Orange	A1
i6	White	Opal White	i5	Yellow-Orange	B1
i7	White	Opal White	i5	Yellow-Orange	A1
i8	White	Opal White	i5	Yellow-Orange	B1
A1	Extra Light	Opal Light	A1	Yellow-Orange	A1
A2	Extra Light	Opal Light	A1	Yellow-Orange	A1
A3	Light	Opal Light	A3	Red-Orange	A1
A3.5	Light	Opal Medium	A3	Red-Orange	A3.5
A4	Light	Opal Medium	A4	Red-Orange	A3.5
B1	Extra Light	Opal White	B2	Yellow-Orange	B1
B2	Extra Light	Opal Light	B2	Yellow-Orange	V2
B3	Light	Opal Light	A3	Red-Orange	B3
B4	Light	Opal Light	A4	Red-Orange	B3
C1	Light	Opal Light	C1	Yellow-Orange	C1
C2	Light	Opal Light	C1	Yellow-Orange	C1
C3	Medium	Opal Medium	C3	Red-Orange	C3
C4	Dark	Opal Medium	C3	Red-Orange	C3
D2	Extra Light	Opal Light	C1	Yellow-Orange	A1
D3	Light	Opal Light	A3	Yellow-Orange	B1
D4	Medium	Opal Light	A3	Red-Orange	C3

Ceramco®3 Firing Reference Charts

FIRING PROGRAM IN °C/°F	Time (min)			Time (min)			Vacuum	Set Temp		Temperature			
	Dry	Pre Heat	Vac Hold	Hi Temp Hold	Hold	Cool		Idle °C / °F	Hi Temp °C / °F	Vac Start °C / °F	Vac Stop °C / °F	Heat Rate °C/min / °F/min	Night °C / °F
Paste Opaque	5	3	0	0	0	0	29	500 / 932	975 / 1787	500 / 932	975 / 1787	100 / 180	100 / 212
Powder Opaque	3	3	0	0	0	0	29	650 / 1202	970 / 1778	650 / 1202	970 / 1778	70 / 126	100 / 212
Margin - Improved	5	5	0	1	0	0	29	650 / 1202	965 / 1769	650 / 1202	965 / 1769	70 / 126	100 / 212
Final Margin (with overglaze)	3	3	0	0.5	0	0	0	650 / 1202	935 / 1715			70 / 126	100 / 212
Final Margin (with natural glaze)	3	3	0	0.5	0	0	0	650 / 1202	945 / 1733			70 / 126	100 / 212
Op Dentin/Dentin/Mod/Enamels	5	5	0	0	0	0	29	650 / 1202	960 / 1760	650 / 1202	960 / 1760	55 / 99	100 / 212
Natural Glaze	3	3	0	0.5	0	0	0	650 / 1202	945 / 1733			70 / 126	100 / 212
Overglaze	3	3	0	0.5	0	0	0	650 / 1202	935 / 1715			70 / 126	100 / 212
Add-On	5	5	0	0	0	0	29	650 / 1202	940 / 1724	650 / 1202	940 / 1724	70 / 126	100 / 212

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