

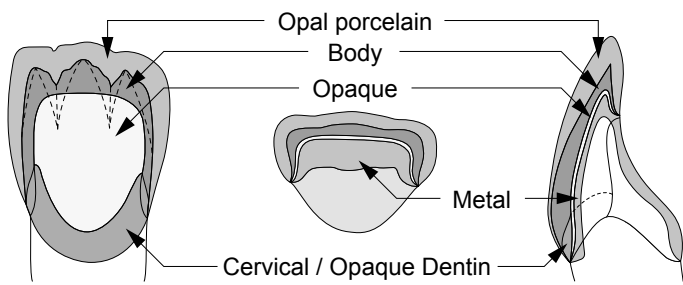
- EN** Instructions for use
- FR** Mode d'emploi
- ES** Instrucciones de uso
- RU** Инструкция по применению
- RO** Instrucțiuni de utilizare
- EL** Οδηγίες χρήσης
- DE** Gebrauchsanleitung
- NL** Gebruiksaanwijzing
- IT** Istruzioni per l'uso
- PL** Instrukcja obsługi
- SV** Bruksanvisning

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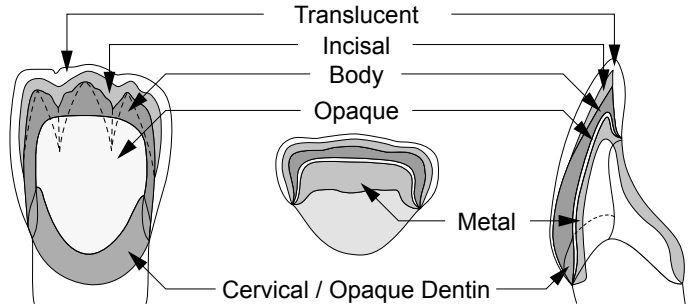
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○ 2-layer technique



*** 3-layer technique**



COLOR CHART

■ Basic Shades

Shade	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Opaque	PA ₁ O	PA ₂ O	PA ₃ O	PA _{3.5} O	PA ₄ O	PB ₁ O	PB ₂ O	PB ₃ O	PB ₄ O	PC ₁ O	PC ₂ O	PC ₃ O	PC ₄ O	PD ₂ O	PD ₃ O	PD ₄ O
Cervical	-	AC [1] + A ₂ B [1]	AC [1] + A ₃ B [1]	AC [1] + A _{3.5} B [1]	AC	-	BC [1] + B ₂ B [1]	BC [1] + B ₃ B [1]	BC	-	CC [1] + C ₂ B [1]	CC [1] + C ₃ B [1]	CC	DC	DC	DC [1] + D ₂ B [1]
Opaque Dentin	OD-A ₁	OD-A ₂	OD-A ₃	OD-A _{3.5}	OD-A ₄	OD-B ₁	OD-B ₂	OD-B ₃	OD-B ₄	OD-C ₁	OD-C ₂	OD-C ₃	OD-C ₄	OD-D ₂	OD-D ₃	OD-D ₄
Body	A ₁ B	A ₂ B	A ₃ B	A _{3.5} B	A ₄ B	B ₁ B	B ₂ B	B ₃ B	B ₄ B	C ₁ B	C ₂ B	C ₃ B	C ₄ B	D ₂ B	D ₃ B	D ₄ B
Opal Porcelain	57 ○					○*										
Incisal	58 *	○*					○*			○*				○		
	59		○*	○ [1]*				○*	○ [1]*		○*	○ [1]*		*	○	○*
	60			○ [1]	○*				○ [1]			○ [1]	○*	*	*	*
Translucent	T	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

■ Value Plus Shades

Shade	A0.5	A1	A2	A3	A3.5	B0.5	B1	B2	B3	C1	C2	D2	D3
Opaque	PA _{0.5} O [3] + VOP [1]	PA ₁ O	PA ₂ O	PA ₃ O	PA _{3.5} O	PB _{0.5} O [3] + VOP [1]	PB ₁ O	PB ₂ O	PB ₃ O	PC ₁ O	PC ₂ O	PD ₂ O	PD ₃ O
Cervical	VA ₁ [1] + A ₁ B [1]	VA ₂ [1] + A ₁ B [1]	VA ₃ [1] + A ₂ B [1]	VA _{3.5} [1] + A ₃ B [1]	VA ₄ [1] + A _{3.5} B [1]	VB ₁ [1] + B ₁ B [1]	VB ₂ [1] + B ₁ B [1]	VB ₃ [1] + B ₂ B [1]	VB ₄ [1] + B ₃ B [1]	VC ₂ [1] + C ₁ B [1]	VC ₂ [1] + VDL [1] + C ₂ B [2]	VC ₂ [1] + VDL [1] + C ₂ B [2]	VD ₃ [1] + D ₃ B [1]
Body	A ₁ B [3] + VDL [1]	A ₁ B [3] + VA ₁ [1]	A ₂ B [3] + VA ₂ [1]	A ₃ B [3] + VA ₃ [1]	A _{3.5} B [3] + VA _{3.5} [1]	B ₁ B [3] + VDL [1]	B ₁ B [3] + VB ₁ [1]	B ₂ B [3] + VB ₂ [1]	B ₃ B [3] + VB ₃ [1]	C ₁ B [6] + VC ₂ [1] + VDL [1]	C ₂ B [3] + VC ₂ [1]	D ₂ B [6] + VD ₃ [1] + VDL [1]	D ₃ B [3] + VD ₃ [1]
Opal Porcelain	OPAL 57	OPAL 57	OPAL 57	OPAL 58	OPAL 59	OPAL 57	OPAL 57	OPAL 57	OPAL 58	OPAL 57	OPAL 58	OPAL 58	OPAL 59

FIRING SCHEDULE

Type of porcelain	Drying & preheating at furnace entrance	Temperature raising speed	Firing schedule
Opaque	1-3 min.	50-60 °C/min	650 °C → 940-960 °C
First firing Second firing			
Cervical	3-5 min.	50-60 °C/min	650 °C → 910-920 °C
Opaque Dentin, Body, Opal, Incisal, Translucent	5-7 min.	50-60 °C/min	650 °C → 920-940 °C
First firing			
Opaque Dentin, Body, Opal, Incisal, Translucent	5-7 min.	50-60 °C/min	650 °C → 910-930 °C
Second firing			
Self-glaze	5-7 min.	50-60 °C/min	650 °C → 910-930 °C
Gum	5-7 min.	50-60 °C/min	650 °C → 900-910 °C
Add-on	5-7 min.	50-60 °C/min	650 °C → 850-870 °C
First firing			
Add-on	5-7 min.	50-60 °C/min	650 °C → 850-870 °C
Glazing			

PHYSICAL PROPERTIES

	Type of firing	Coefficient of thermal expansion (25-500 °C)	Glass transition point
Opaque	2 nd firing	12.2×10 ⁻⁶ K ⁻¹	580 °C
	4 th firing	12.2×10 ⁻⁶ K ⁻¹	
Opaque Dentin	2 nd firing	13.4×10 ⁻⁶ K ⁻¹	585 °C
	4 th firing	13.6×10 ⁻⁶ K ⁻¹	
Body	2 nd firing	13.4×10 ⁻⁶ K ⁻¹	585 °C
	4 th firing	13.6×10 ⁻⁶ K ⁻¹	
Opal porcelain Incisal	2 nd firing	13.4×10 ⁻⁶ K ⁻¹	585 °C
	4 th firing	13.6×10 ⁻⁶ K ⁻¹	
Translucent	2 nd firing	13.4×10 ⁻⁶ K ⁻¹	585 °C
	4 th firing	13.6×10 ⁻⁶ K ⁻¹	
Correction	2 nd firing	13.5×10 ⁻⁶ K ⁻¹	585 °C
	4 th firing	14.2×10 ⁻⁶ K ⁻¹	

: Vacuum firing (1.3-8.0 kPa)
 : Atmospheric firing