



VINTAGE ZR

COLOR TABLE



SHADE	W0	W1	W2	W3	A1	A2	A3	A3.5	A4	rootA
OPAQUE LINER	W0O	W1O	W2O	W3O	A1O	A2O	A3O	A3.5O	A4O	rootAO
CERVICAL	—	—	—	—	—	—	A3B:2 AC:1	A3.5B:1 AC:1	A4B:1 AC:1	AC
MARGIN	W0M	W1M	W1M:2 NM:1	W1M:1 NM:2	NM	NM:1 A3M:1	A3M	A3M:2 rootAM:1	A3M:1 rootAM:2	rootAM
OPAQUE DENTIN	OD-W0	OD-W1	OD-W1:2 OD-N:1	OD-W1:1 OD-N:2	OD-N	OD-N:1 OD-A3:1	OD-A3	OD-A3:2 OD-rootA:1	OD-A3:1 OD-rootA:2	OD-rootA
BODY	W0B	W1B	W2B	W3B	A1B	A2B	A3B	A3.5B	A4B	rootAB
OPAL ENAMEL	Opal 55	Opal 56	Opal 56:2 Opal 57:1	Opal 56:1 Opal 57:2	Opal 57	Opal 58	Opal 59	Opal 59:1 Opal 60:1	Opal 60	

SHADE	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
OPAQUE LINER	B1O	B2O	B3O	B4O	C1O	C2O	C3O	C4O	D2O	D3O	D4O
CERVICAL	—	—	B3B:1 BC:1	BC	—	C2B:2 CC:1	C3B:1 CC:1	CC		DC	
MARGIN	NM:1 B2M:1	B2M	B2M:1 B4M:1	B4M	NM:1 C2M:1	C2M	C2M:1 C4M:1	C4M	NM:1 D3M:1	D3M	D3M:1 B4M:1
OPAQUE DENTIN	OD-N:1 OD-B2:1	OD-B2	OD-B2:1 OD-B4:1	OD-B4	OD-N:1 OD-C2:1	OD-C2	OD-C2:1 OD-C4:1	OD-C4	OD-N:1 OD-D3:1	OD-D3	OD-D3:1 OD-B4:1
BODY	B1B	B2B	B3B	B4B	C1B	C2B	C3B	C4B	D2B	D3B	D4B
OPAL ENAMEL	Opal 57	Opal 58	Opal 59	Opal 60	Opal 58	Opal 59	Opal 60	Opal 58	Opal 59		

UNI-LAYER	HT	LT						
OPAL EFFECT	Opal T	Opal SL	Opal WE	Opal MI	Opal OC	Opal AM-R	Opal AM-Y	Opal AM-V

ENAMEL EFFECT	BT	OT	PT	GT	T-GLASS
CERVICAL TRANS	CT-CL	CT-W	CT-A	CT-B	CT-R

COLOR EFFECT	MP	MY	Mv	RED	Y	O	G	W
	OM-Y	OM-LP	OM-DP	LPM	CLM			
GUM COLOR	Gum-LP	Gum-DP						
CORRECTION	ADD-ON B	ADD-ON T	CPM-FINE					

FIRING SCHEDULE



Type of porcelain	Drying time (min.)	Temperature raising speed (°C /min.)	
1st Opaque Liner	7~8	45	500°C 920~940°C 1min.
2nd Opaque Liner	7~8	45	500°C 920~940°C 1min.
Cervical	5~6	45	650°C 900~920°C 1min.
1st Body, Enamel	5~6	45	650°C 900~920°C 1min.
2nd Body, Enamel	5~6	45	650°C 900~920°C 1min.
1st Margin	5~6	45	650°C 1030~1050°C 1min.
2nd Margin	5~6	45	650°C 1030~1050°C 1min.
Self Glaze	5~6	45	650°C 900~920°C 0~0.5min.
1st Gum	5~6	45	650°C 860~880°C 1min.
Gum glaze	5~6	45	650°C 860~880°C 1min.
1st Correction	5~6	45	650°C 860~880°C 1min.
Correction Glaze	5~6	45	650°C 860~880°C 1min.

Note: Firing conditions may vary depending on the make of the porcelain furnace.
Kindly conduct test firing prior to actual firing of porcelain.



		Coefficient of Thermal Expansion (25~500°C)	Glass Transition Point
Opaque Liner	2.Firing	$9.3 \times 10^{-6} \text{K}^{-1}$	620°C
	4.Firing		
Margin	2.Firing	$9.3 \times 10^{-6} \text{K}^{-1}$	635°C
	4.Firing		
Body, Enamel	2.Firing	$9.4 \times 10^{-6} \text{K}^{-1}$	605°C
	4.Firing		
Cervical Trans	2.Firing	$9.4 \times 10^{-6} \text{K}^{-1}$	595°C
	4.Firing		
Correction, Gum	2.Firing	$9.4 \times 10^{-6} \text{K}^{-1}$	585°C
	4.Firing		