

• Read the IFU (Instructions for Use) and Technical Instructions before the procedure.

► Line-Ups

Paste Opaque	6g	POA1	POA2	POA3	POA3,5	POA4	POB1	POB2	POB3	POB4	POC1	POC2	POC3	POC4	
		POD2	POD3	POD4	POnA1	POnA2	POnA3	PnA3.5	POnA4	POnB1	POnB2	POnB3	POnB4	POnC1	
		POnC2	POnC3	POnC4	POnD2	POnD3	POnD4	PONW0	PONW0.5	PONP1.5	PONP2.5	POEW0	POEW	POBA	
		NP Bonder													
Paste Opaque Modifier	3g	PO White	PO Gray	PO Blue	PO Yellow	PO Orange	PO Earth Brown	PO Reddish Brown	PO Pink						
Universal Paste Opaque	6g	UPnA1	UPnA2	UPnA3	UPnA3.5	UPnA4	UPnB1	UPnB2	UPnB3	UPnB4	UPnC1	UPnC2	UPnC3	UPnC4	
		UPnD2	UPnD3	UPnD4	UPNW0	UPNW0.5	UPNP1.5	UPNP2.5	UPEW0	UPEW					
Universal Paste Opaque Modifier	3g	UP White	UP Gray	UP Blue	UP Yellow	UP Orange	UP Earth Brown	UP Reddish Brown	UP Pink						
Powder Opaque	10g, 50g, 200g	A1O	A2O	A3O	A3.5O	A4O	B1O	B2O	B3O	B4O	C1O	C2O	C3O	C4O	
		D2O	D3O	D4O	nA1O	nA2O	nA3O	nA3.5O	nA4O	nB1O	nB2O	nB3O	nB4O	nC1O	
		nC2O	nC3O	nC4O	nD2O	nD3O	nD4O	NW0O	NW0.5O	NP1.5O	NP2.5O	EW0O	EW0		
Powder Opaque Modifier	10g, 50g	OM Gray	OM Orange	OM Pink											
Margin	10g, 50g	MA1	MA2	MA3	MA3.5	MA4	MB1	MB2	MB3	MB4	MC2	MC4	MD3	MD4	
		MNW0	MNW0.5	MNP1.5	MNP2.5	M Clear	M Orange	M Peach	MDL	MRP					
Opacious Body	10g, 50g, 200g	OBA1	OBA2	OBA3	OBA3.5	OBA4	OBB1	OBB2	OBB3	OBB4	OBC1	OBC2	OBC3	OBC4	
		OBD2	OBD3	OBD4	OBNP1.5	OBNP2.5	OB White	OB Orange	OB Pale Pink	OBE					
		OB1110	OB1120	OB2015	OB2025	OB2110	OB2120	OB2130	OB2215	OB2225	OB3015	OB3025	OB3110	OB3120	
		OB3130	OB3215	OB3225	OB4015	OB4025	OB4110	OB4120	OB4130	OB4215	OB4225	OB5110	OB5120	OB5130	
Cervical	10g, 50g, 200g	CV-1	CV-2	CV-3	CV-4										
Body	10g, 50g, 200g	A1B	A2B	A3B	A3.5B	A4B	B1B	B2B	B3B	B4B	C1B	C2B	C3B	C4B	
		D2B	D3B	D4B	nA1B	nA2B	nA3B	nA3.5B	nA4B	nB1B	nB2B	nB3B	nB4B	nC1B	
		nC2B	nC3B	nC4B	nD2B	nD3B	nD4B	NW0B	NW0.5B	NP1.5B	NP2.5B	EW00B	EW0B	EWB	
		EWYB													
		1110B	1120B	2015B	2025B	2110B	2120B	2130B	2215B	2225B	3015B	3025B	3110B	3120B	
		3130B	3215B	3225B	4015B	4025B	4110B	4120B	4130B	4215B	4225B	5110B	5120B	5130B	
Enamel	10g, 50g, 200g	E1	E2	E3	Silky E1	Silky E2									
Speed Enamel	10g, 50g, 200g	S1	S2	S3	S4										
Translucent	10g, 50g, 200g	Tx	T0	T1	T2										
Luster	10g, 50g, 200g	LT0	LT1	LT Natural	LT Super Gray	T Blue	Aqua Blue 1	Aqua Blue 2	LT Yellow	Incisal Aureola	Sun Bright	Creamy Enamel	Creamy White	ELT1	
		ELT2	ELT3												
Clear Cervical	10g, 50g, 200g	CCV-1	CCV-2	CCV-3	CCV-4										
Mamelon	10g, 50g	Mamelon 1	Mamelon 2												
Tissue	10g, 50g	Tissue 1	Tissue 2	Tissue 3	Tissue 4	Tissue 5	Tissue 6	Tissue 7							
Modifier	10g, 50g	White	Gray	Blue	Green	Yellow	Light Orange	Orange	Brown	Pink	Dark Pink	Coral Pink			
Add-on	10g, 50g	AD-T	AD-B												
Internal Stain	3g	White	Gray	Incisal Blue 1	Incisal Blue 2	Mamelon Orange 1	Mamelon Orange 2	Cervical 1	Cervical 2	Cervical 3	Earth Brown	Reddish Brown	Salmon Pink	Red	
		A+	B+	C+	D+	Bright	Fluoro								
External Stain	3g	Pure White	Gray	Black	Blue	Green 1	Green 2	Yellow	Orange 1	Orange 2	Cervical 1	Cervical 2	Cervical 3	Earth Brown	
		Reddish Brown	Salmon Pink	Pink	Red	A+	B+	C+	D+						
	10g, 30g	Glaze													
Addmate	10g	Light Opaque	Dark Opaque	Light Body	Dark Body	Enamel	Translucent	Luster Translucent							

Liquid	FORMING LIQUID	10ml/100ml	PASTE OPAQUE LIQUID	10ml	IS LIQUID	10ml/100ml	UP LIQUID	10ml
	MEISTER LIQUID	100ml	OPAQUE LIQUID	10ml/100ml	ES LIQUID	10ml/100ml	ADDMATE FORMING LIQUID	10ml



▶ Color Combination Table

	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	NP1.5	NP2.5	EW00	EW0	EW	EWY	NW0	NW0.5
Paste Opaque	POA1	POA2	POA3	POA3.5	POA4	POB1	POB2	POB3	POB4	POC1	POC2	POC3	POC4	POD2	POD3	POD4	PONP1.5	PONP2.5	POEW0	POEW	PONW0	PONW0.5		
	POnA1	POnA2	POnA3	POnA3.5	POnA4	POnB1	POnB2	POnB3	POnB4	POnC1	POnC2	POnC3	POnC4	POnD2	POnD3	POnD4								
Universal Paste Opaque	UPnA1	UPnA2	UPnA3	UPnA3.5	UPnA4	UPnB1	UPnB2	UPnB3	UPnB4	UPnC1	UPnC2	UPnC3	UPnC4	UPnD2	UPnD3	UPnD4	UPNP1.5	UPNP2.5	UPEW0	UPEW	UPNW0	UPNW0.5		
Powder Opaque	A1O	A2O	A3O	A3.5O	A4O	B1O	B2O	B3O	B4O	C1O	C2O	C3O	C4O	D2O	D3O	D4O	NP1.5O	NP2.5O	EW0O	EWO	NW0O	NW0.5O		
	nA1O	nA2O	nA3O	nA3.5O	nA4O	nB1O	nB2O	nB3O	nB4O	nC1O	nC2O	nC3O	nC4O	nD2O	nD3O	nD4O								
Margin	MA1	MA2	MA3	MA3.5	MA4	MB1	MB2	MB3	MB4	MC2+MDL (1 : 1)	MC2	MC4+MDL (1 : 1)	MC4	MD3+MDL (1 : 1)	MD3	MD4	MNP1.5	MNP2.5	MDL	MNW0+MDL (1 : 1)	MNW0+MDL (2 : 1)	MNW0	MNW0.5	
Opacios Body	OBA1	OBA2	OBA3	OBA3.5	OBA4	OBb1	OBb2	OBb3	OBb4	OBC1	OBC2	OBC3	OBC4	OBD2	OBD3	OBD4	OBNP1.5	OBNP2.5	-	-	-	-		
Cervical (+Body)	-	CV-1+A2B (1 : 2)	CV-1+A3B (1 : 1)	CV-1+A3.5B (1 : 1)	CV-1	-	CV-2+B2B (1 : 2)	CV-2+B3B (1 : 1)	CV-2	-	CV-3+C2B (1 : 2)	CV-3+C3B (1 : 1)	CV-3	CV-4+D2B (1 : 2)	CV-4+D3B (1 : 1)	CV-4	-	CV-1+NP2.5B (1 : 2)	-	-	-	-		
Body	A1B	A2B	A3B	A3.5B	A4B	B1B	B2B	B3B	B4B	C1B	C2B	C3B	C4B	D2B	D3B	D4B	NP1.5B	NP2.5B	EW00B	EW0B	EWB	EWYB	NW0B	NW0.5B
	nA1B	nA2B	nA3B	nA3.5B	nA4B	nB1B	nB2B	nB3B	nB4B	nC1B	nC2B	nC3B	nC4B	nD2B	nD3B	nD4B								
Enamel	E2		E3			E1	E2	E3		E2	E3			E2	E3		E2		Silky E1		Silky E2			
Speed Enamel	S2	S3			S4	S1	S3		S4	S3			S4	S3		S4	S2	S3	- *1		- *2		S1	
Translucent / Luster	T1/LT1																		ELT2		ELT1		T1/LT1	

*1 Please use Silky E1 for 2 layer build-up

*2 Please use Silky E2 for 2 layer build-up

▶ Color Combination Table

• Converting VITA™ 3D-Master™ Shades to Noritake Value Shades

VITA™ 3DMaster™ Shade	OM1	OM2	OM3	1M1	1M2	2L1.5	2L2.5	2M1	2M2	2M3	2R1.5	2R2.5	3L1.5	3L2.5	3M1	3M2	3M3	3R1.5	3R2.5	4L1.5	4L2.5	4M1	4M2	4M3	4R1.5	4R2.5	5M1	5M2	5M3
Noritake Value Shade	-	-	-	NV1110	NV1120	NV2015	NV2025	NV2110	NV2120	NV2130	NV2215	NV2225	NV3015	NV3025	NV3110	NV3120	NV3130	NV3215	NV3225	NV4015	NV4025	NV4110	NV4120	NV4130	NV4215	NV4225	NV5110	NV5120	NV5130
Universal Paste Opaque / Paste Opaque	UPNW0/ PONW0	UPNW0/ PONW0	UPNW0.5/ PONW0.5	UPNW0.5/ PONW0.5	UPnB1/ POnB1	UPnB2/ POnB2	UPnB2/ POnB2	UPnB1/ POnB1	UPnB2/ POnB2	UPnB2/ POnB2	UPnA1/ POnA1	UPnA2/ POnA2	UPnC2/ POnC2	UPnB3/ POnB3	UPnC1/ POnC1	UPnB3/ POnB3	UPnB3/ POnB3	UPnD3/ POnD3	UPnA3/ POnA3	UPnC2/ POnC2	UPnB3/ POnB3	UPnC2/ POnC2	UPnB3/ POnB3	UPnB4/ POnB4	UPnA2/ POnA2	UPnB4/ POnB4	UPnA4/ POnA4	UPnA4/ POnA4	
Margin	MNW0	MNW0.5	MNW0.5	MA1	MA1	MB2	MB2+MD4 (1 : 1)	MC1	MB2	MB3	MA2	MA2	MC2	MB3+MD4 (1 : 1)	MC2	MB3	MB4	MA3+MC2 (1 : 1)	MA3+MC2 (1 : 1)	MA4+MC2 (1 : 1)	MA4+MB3 (1 : 1)	MC2	MA4	MA4	MD3+MC2 (1 : 1)	MA4	MA4	MA4	MA4
Body	NW0B	NW0.5B	NW0.5B	1110B	1120B	2015B	2025B	2110B	2120B	2130B	2215B	2225B	3015B	3025B	3110B	3120B	3130B	3215B	3225B	4015B	4025B	4110B	4120B	4130B	4215B	4225B	5110B	5120B	5130B
Opacios Body	-	-	-	OB1110	OB1120	OB2015	OB2025	OB2110	OB2120	OB2130	OB2215	OB2225	OB3015	OB3025	OB3110	OB3120	OB3130	OB3215	OB3225	OB4015	OB4025	OB4110	OB4120	OB4130	OB4215	OB4225	OB5110	OB5120	OB5130
Enamel	Silky E2			E1									E2																
Translucent / Luster	T1/ LT1																												

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▶ Baking Schedule

Baking Schedule	Porcelain Type	Dry-Out Time	Predrying Temperature		Start Vacuum		Heat Rate		Vacuum Level	Release Vacuum		High Temperature		Hold Time		Cool time
			min.	°C	°F	°C	°F	°C / min.		°F / min.	kPa *1	°C	°F	°C	°F	
		min.														min.
1	Paste Opaque (including NP Bonder)	8	500	932	500	932	65	117	96	980	1796	980	1796	-	1	0
2	POBA	8	500	932	500	932	65	117	96	1000	1832	1000	1832	1	-	0
3	Universal Paste Opaque (High Noble, Noble, Ni-Cr with Be alloys)	8	400	752	400	752	65	117	96	980	1796	980	1796	-	1	0
4	Universal Paste Opaque (Ni-Cr without Be, Co-Cr alloys)	8	400	752	400	752	65	117	96	1000	1832	1000	1832	-	1	0
5	Powder Opaque First	3	650	1202	650	1202	55	99	96	950	1742	960	1760	-	-	0
6	Powder Opaque Second	5	650	1202	650	1202	55	99	96	950	1742	960	1760	-	-	0
7	Margin *2	5	650	1202	650	1202	55	99	96	935	1715	945	1733	-	-	0
8	Cervical, Opacious Body, Body, Enamel, Speed Enamel, Mamelon, Modifier *4	7	600	1112	600	1112	45	81	96	920	1688	930	1706	-	-	0
9	Internal Stain	3	650	1202	-	-	55	99	0	-	-	830	1526	-	-	0
10	Translucent, Luster, Clear Cervical, Tissue *4	7	600	1112	600	1112	45	81	96	920	1688	930	1706	-	-	0
11	Additional application *3	7	600	1112	600	1112	45	81	96	910	1670	920	1688	-	-	0
12	Self-Glaze *4	5	650	1202	-	-	50	90	0	-	-	930	1706	-	-	0
13	External Stain (including Glaze)	5	650	1202	-	-	50	90	0	-	-	910	1670	-	-	0
14	Margin MRP *2	5	650	1202	-	-	55	99	0	-	-	850	1562	-	-	0
15	Add-on	5	650	1202	-	-	55	99	0	-	-	880	1616	-	-	0
16	Addmate (wash baking)	5	450	842	450	842	45	81	96	700	1292	700	1292	1	-	0
17	Addmate (correction after post-ceramic soldering)	5	450	842	450	842	40	72	96	660	1220	660	1220	1 – 2	-	0
18	Addmate (correction of margins)	5	450	842	450	842	45	81	96	670	1238	680	1256	-	-	0
19	Addmate (for development of gloss in baking)	5	450	842	450	842	45	81	96	690	1274	700	1292	-	-	0

Attention

The above program is only a guideline. Baking temperature may vary due to different furnace.

*1 96 kPa = 72 cmHg (29 inchesHg)

*2 When Magic Former is used, the dry-out time should be 7 min, pre-drying temperature 700℃(1292℉), and the start vacuum temperature 700℃(1292℉).

*3 This is the baking temperature for cases when Opacious Body, Body, Cervical, Clear Cervical, Enamel, Speed Enamel, Translucent, Luster, Mamelon, Modifier and Tissue are applied additionally.

*4 The baking conditions are established on the assumption that 1-3 units are baked.
In cases of 4-6 units, the dry-out time should be 10 min, release vacuum 925℃(1696℉), high temperature 935℃(1715℉).
In cases of over 7 units, the dry-out time should be 15 min, release vacuum 930℃(1706℉), high temperature 940℃(1724℉).

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