Noritake



Super Porcelain ADDMATE

Special Features

ADDMATE is a correction porcelain which can be used with any porcelain fused to metal (PFM) with a thermal expansion coefficient range of 12.0~13.0×10-6/°C, except porcelain fused to titanium (PFT). ADDMATE makes even the most difficult porcelain corrections possible, such as post-solder corrections, fine morphological adjustments after glazing and the correction of air bubbles.

ke it. in, it is preferable to use regular
ots, with a carbide bur. Clean or ultrasonic cleansing, build-
o the surface. The correction le. Do not expand the size of n of shrinkage then bake it. arborundum point or carbide mend that the pit be ground direction when the pit is near to 0.15MPa. opaque. Avoid excess buildmove all excess ADDMATE andary line after baking.) ith the body porcelain. Build-
ents between the porcelain and ply a single layer to the area superature of your PFM. For 180°C (1,616°F).
bake it. ique. ikage) in a shade compatible

Correction of Margin Porcelain

- a. Apply Noritake's ADDMATE Separator to the working model and fit the PFM to be corrected onto the model. b. Mix ADDMATE body and opaque at a ratio of 10 to 1 and build-up on the chipped area or portion of the
- margin which needs correction.
- c. Carefully remove the PFM from the working model and bake it at a relatively low temperature, to avoid glossiness or rounding of edges. Polish to desired finish.

Fine Correction of Porcelain Laminate Veneer (PLV) after Removal from the Refractory Model

- a. Apply Noritake's Magic Separator to the master model.
- b. After fitting PLV to the master model, build-up ADDMATE to the deficient area.
- c. Remove PLV from the master model. Bake at a relatively low temperature on a porcelain mat, to avoid glossiness or rounding of edges. Polish to desired finish.

Baking Schedule

	Dry-out time	Low Temperature		Heat Rate		HIGH TEMP.		Vacuum Level	Release Vacuum		Hold Time
	min.	°C	°F	°C/min.	°F/min.	°C	°F	kPa*	°C	°F	min.
Wash bake of opaque	5	450	842	45	81	700	1292	96	700	1292	(UNDER VACUUM)
Correction after post-soldering	5	450	842	40	72	660	1220	96	660	1220	(UNDER VACUUM)
Correction on margin or PLV	5	450	842	45	81	680	1256	96	670	1238	0
In case of self-glaze	5	450	842	40	72	700	1292	96	690	1274	0

Note The above is only a guideline. Different porcelain furnaces may necessitate adjustments to ecommended temperatures.

*96kPa = 72cmHg (29 inchesHg)

Color Table

Use the table below as a guide for achieving esired shades when using ADDMATE.

OPAQUE	CORRESPONDING SHADES	BODY	CORRESPONDING SHADES		
Light Opaque	A1O, A2O, A3O, B2O	Light Body	A ₁ B, A ₂ B, A ₃ B, B ₂ B		
Dark Opaque	A3.5O, B3O, B4O	Dark Body	A3.5B, A4B, B3B, B4B		

For shades other than those listed above, use one of the following ADDMATE shades.

E	For all enamel shades	Т	For all translucent shades	LT	For Luster Porcelain translucent shades
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Precautions when using ADDMATE

- ①ADDMATE is a low temperature fusing porcelain. The follwing precautions must be followed in order to avoid imperfections such as blackening or whitening of the porcelain.
 - a. Use only ADDMATE forming liquid when mixing.
 - b. Use only Noritake Magic Separator when separating PFM from the gypsum die.
 - c. If tissue paper fiber mixes with the porcelain slurry during water absorption of the condense procedure, the fiber will not completely burn off. After drying, check to make sure that no residual tissue fiber remains.
 - d. Always use freshly mixed porcelains.
- ②Periodically fire your porcelain furnace, while empty, at around 1,000°C (1,832°F) to keep the interior clean.
- 3 Temperature variations of the porcelain furnace may be significant at lower ranges. Determine the exact baking program by test before actual baking.
- (4) To prevent deforming of the solder area when using soldering material of a low fusing temperature, first stabilize by using soldering investment. Avoid contact with porcelain. Then, proceed to correction baking.
- (5) When making corrections to areas near the solder, thoroughly remove flux, etc.
- ⑥Do not build-up and fire ADDMATE on top of soldering material. Cracks may result.
- ②After firing ADDMATE, do not subsequently bake any higher temperature porcelains such as Super Porcelain EX-3.
- **8** After use, tightly close ADDMATE jars and store.
- (9) Always use appropriate protection to avoid inhalation of porcelain dust.
- (1) Always use protective eye goggles when grinding or polishing porcelain.

SYMBOLS USED IN A LABEL

CHMBGEG GGED HAVE ENDEE								
	•••	MANUFACTURER LOT		BATCH CODE	EU Authorized Representative			
	\square	USE BY	REF	CATALOGUE NUMBER	N a m e : Kuraray Europe GmbH Address: Phillipp-Reis-Str.4 65795	(€ 1639		
	\square_i	CONSULT INSTRUCTIONS FOR USE	EC REP	AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY	Hattersheim am Main, Germany			

Warning If the patient is hypersensitive to Dental Porcelain or any of the other components, this medical product should not be used. Or it should be only used under the strict supervision of the patient's doctor/dentist.



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