kuraray

Noritake

CLINICAL CASE

CERABIEN™ ZR

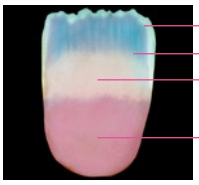
High translucent and opal porcelain for True-to-life, highly aesthetic restoration.

Initial situation

NEW SHADES

T Clear | LTX | LT Super Luster | LT Royal Blue | LT Coral

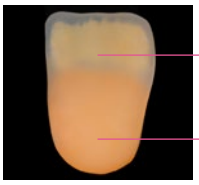
Step 1. Build-up of internal structures.



LTx + LT Royal Blue (3 : 2)
E3
LT Natural / LT Super Gray
NW0.5B

LTx and LT Royal Blue were used at the incisor edges to reproduce the bluish opalescence and translucency effect.

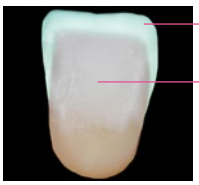
Step 2. Applied the first Internal Stain, then baked it.



Mamelon Orange 2* + White* + Bright*
Mamelon Orange 2* + A*
*Internal Stain

In order to reproduce the mamelon structure with stain and dentin color, Internal Stains were applied, then baked.

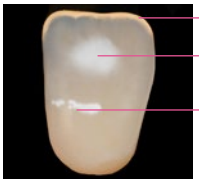
Step 3. Applied the first enamel structure, then baked.



LTx + LT Royal Blue (3 : 2)
LT1

In order to reproduce the stain in the internal enamel structure, Luster porcelains were applied and baked as a base.

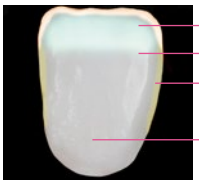
Step 4. Applied the second Internal Stain before baking it.



Mamelon Orange2* + Salmon Pink + White* + Bright*
White* + Bright*
White*
*Internal Stain

In order to reproduce the white spot and the incisor halo, Internal Stains were applied before baking.

Step 5. Applied the second enamel structure before baking it.



Incisal Aureola _ Mamelon 1 (1 : 1)
LTx + T Blue (1 : 1)
Creamy Enamel + Incisal Aureola (1 : 1)
LT1

To reproduce the subtle color and translucency of enamel, Luster porcelains were applied before baking.

Step 6. Final situation.

Porcelain fused to KATANA™ Zirconia restoration for central incisor.
Feature of the Case:
Blue-tinged light translucency at incisor edge of enamel was reproduced with LTx and LT Royal Blue.
Please refer to detailed steps shown below.

Photos: Courtesy of Otani Dental Clinic, MDT Ryuzo Shiba and MDT Naoto Yuasa

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