

Question

Do I need to do the heat treatment to Katana zirconia coping?

Answer

No, it is not necessary.

Question

What are Katana zirconia coping's flexural strength and thermal expansion?

Answer

The flexural strength: 1,200MPa;
The thermal expansion: 10.5×10^{-6}

Question

Can I apply on Katana zirconia coping with other manufacturers' porcelain?

Answer

Noritake CZR and CZR Press are the best matching with Katana zirconia coping.

Question

How many shades are available in Katana blocks?

Answer

9 shades are available including white. Please refer to Katana Zirconia Block Shade Selection corresponding to each shade with CZR. Shades matching with other porcelain brands are not tested.

Question

What difference compared with other zirconia materials?

Answer

Noritake zirconia block contains Noirtake original zirconia power and powder treatment technology applying on the partial stabilized zirconia with 3 mol% Oxidized Yttrium. Noritake zirconia block is non pre-sintered block with 9 pre-colored shades.

Question

Does Katana zirconia block belong to HIP zirconia type?

Answer

No. Katana zirconia block is non-presintered Green Block.

Question

What is the minimum cross section area of the connector?

Answer

Cross section: 9mm^2+ (3-units-bridge anterior: 7mm^2+)

Question

How should I treat the coping surface before the porcelain build-up?

Answer

Follow CZR technical instruction to treat the zirconia coping surface. Sandblast the surface with $50\mu\text{m}$ aluminum oxide in 0.2MPa to increase the bonding. Clean the coping in the ultrasonic cleaner with the acetone solution for 10 minutes.

Question

What kind of grinding points are recommended for the morphological correction?
What should I pay attention in the morphological correction?

Answer

Noritake Meister Point SD-61 or SC-51 (silicon diamond wheel) is highly recommended for the zirconia coping adjustment. Please grind on the zirconia coping with water at all times in order to avoid a crack caused by heat shock. After the adjustment, be sure to use Noritake Crack Finder to check the micro cracks.

Question

Is it necessary to clean and degas the coping before the porcelain build-up?

Answer

Perform the ultrasonic cleaning in the acetone solution. Degassing is not necessary.

Question

What is the advantage of Katana non pre-sintered block firing only once?
How is it possible?

Answer

Katana non pre-sintered block stabilizes the shrinkage rate in approx. 21% consistently, by which the fitting accuracy is consistently obtained and guaranteed. Noritake original powder treatment technology assures the exceptional fitting accuracy possible in only one time sintering.

Question

What is the sintering temperature?

Answer

It is 1,400°C. The sintering schedule will be provided when you purchase H-18 milling machine.

Question

Is it alright that the zirconia coping is exposed through the crown?

Answer

No. Make sure to cover the coping completely with the porcelain or glaze powder.

Question

If the chipping occurs during the milling, is it possible to repair it before sintering?

Answer

No. It is impossible to add zirconia on the chipping area. After sintering, however, in the case of the minor chipping in the margin area, you can add margin porcelain to modify. In the case of the minor chipping on the margin area, you can add margin porcelain to modify.

Question

If a crack appears on the coping after sintering, can I use this coping?

Answer

No. Do not use the cracked coping because the coping strength will fall extremely low once it is cracked.

Question

Can I remove the porcelain from the zirconia coping by melting it in hydrofluoric acid?

Answer

No. Do not use hydrofluoric acid because it will corrode the coping surface and weaken the zirconia strength. The recommended method is to grind away the porcelain by the diamond point and clean the coping in the ultrasonic acetone solution. Then rebuild up the porcelain again.