Zirlux FC Full Contour Staining Technique: Eliminate Dipping Solution In Your Laboratory!

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Pink 201

OM2

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Eliminate Dipping Solution In Your Laboratory!

1. Find the surface of the Zirlux FC, with a light sandblasting of 1000°C or with a fine diamond bur.

2. What Zirlux FC shade used for matching shade D3 is: (Circle your answers)
   a. 201
   b. 401
   c. 001

3. The stain and glaze firing temperature for Zirlux FC is:
   a. 425°C
   b. 550°C
   c. 720°C
   d. 800°C

4. What size Aluminum Oxide should be used to sandblast Zirlux FC:
   a. 20 μm
   b. 50 μm
   c. Fine diamond
   d. Aluminum Oxide stones

5. The Zirlux FC restoration shade used for matching shade D7 is: (Circle your answers)
   a. II & III
   b. II & II
   c. IV & V
   d. III & I

6. Occlusal contacts on Zirlux FC should be polished smooth. a. True b. False

7. The stain and glaze firing temperature for Zirlux FC is:
   a. 800°C
   b. 1800°C
   c. 2000°C
   d. 3000°C

8. Occlusal contacts on Zirlux FC should be polished smooth. a. True b. False

9. The Zirlux FC stain used to match the A3 shade is: (Circle your answers)
   a. I & II
   b. II & III
   c. III & IV
   d. III & IV

10. The Zirlux FC stain used to match the B1 Shade is:
    a. I & II
    b. II & III
    c. III & IV
    d. IV & V

Quizzes are designed to be printed and distributed to your educational courses for Pentron Ceramics. In 2000. She is now Technical Consultant for Ardent, Inc., where she assists customers with technical issues and teaches educational courses for Pentron Ceramics.

Single Stain Technique In this example we will be matching shade A3.3, which requires only one application of stain #2 and was fired from the Zirlux FC shade tab. Disperse a small amount of stain on your palette and mix thoroughly. The stain should be a smooth, creamy consistency.

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Mix glaze to a creamy consistency and apply to the cervical and middle thirds of the restoration. The first application will be stain #7 and will be applied to the entire surface of the crown, to match the occlusal one third of the shade tab.

Once you achieve the desired surface (≤50 μm) with water to prevent any localized heat buildup, the restoration is ready for use. The chart is included as a guide to match the required shade.

Figure 1

Double Stain Technique Some shades require two stain applications to achieve the desired shade. Using the shade coordination chart, determine which stains are required and place them on the palate. Mix as with the single stain technique to a creamy or honey-like consistency. In this case, we are staining for shade C2. The Zirlux FC shade #5 is used to stain the crown, before applying stain, do not be necessary finishing of the surface with a fine diamond and want to prevent heat buildup.

The first application will be stain #7 and will be applied to the entire surface of the crown, to match the occlusal one third of the shade tab. Fire the second application according to the firing chart. The second application of stain will be stain #5. Again, mix to a creamy consistency and apply to the cervical and middle thirds of the tooth, blending to match the shade tab. Any characteristics may be done to add the finishing as in the single stain technique. The stain application should be an even layer, trying to apply too much stain at once as it will result in the appearance of depth in the tooth. If needed, you may add some Universal Glaze to the occlusal to achieve the desired shade.

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