

# CERAMAX® II

alphadent  
innovation  
for your teeth

## Dental Porcelain for PFM



### CHARACTERISTICS

**Good Matching the CTE of Metal Frame** Safe from cracks worried in repeated firing and cooling.

**Controlling Precisely Particle Size Distribution** Good workability of build-up.

**Adding the Bonding Agents in Opaque Porcelain** Enhanced the bond strength of porcelain to metal.

**Adding the Fluorescent Pigment** Improved esthetic nature of artificial teeth.

### INDICATION FOR USE

CERMAX II is indicated for veneering of metal framework and copings for the preparation of crowns and bridges.

### ASSORTMENTS

Complete Kit / Master Kit / Trial Kit  
Powder (10g, 50g)  
Paste Opaque (5g)  
Glaze & Stain (3g)

**ALPHADENT**





## Color Combination Chart(Shade Table)

| Shade(VitaLumin)                 | A1   | A2   | A3   | A3.5   | A4   | B1   | B2   | B3   | B4   | C1   | C2   | C3   | C4   | D2   | D3   | D4   |
|----------------------------------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>OPAQUE (Powder&amp;Paste)</b> | A10  | A20  | A30  | A3.50  | A40  | B10  | B20  | B30  | B40  | C10  | C20  | C30  | C40  | D20  | D30  | D40  |
| <b>DENTINE</b>                   | A1D  | A2D  | A3D  | A3.5D  | A4D  | B1D  | B2D  | B3D  | B4D  | C1D  | C2D  | C3D  | C4D  | D2D  | D3D  | D4D  |
| <b>OPACIOUS DENTINE</b>          | ODA1 | ODA2 | ODA3 | ODA3.5 | ODA4 | ODB1 | ODB2 | ODB3 | ODB4 | ODC1 | ODC2 | ODC3 | ODC4 | ODC2 | ODC3 | ODC4 |
| <b>CERVICAL</b>                  | AC1+ | AC1+ | AC1  | AC2+   | AC2  | BC+  | BC+  | BC+  | BC   | CC+  | CC+  | CC+  | CC   | DC+  | DC+  | DC   |
|                                  | A1D  | A2D  |      | A3.5D  |      | B1D  | B2D  | B3D  |      | C1D  | C2D  | C3D  |      | D2D  | D3D  |      |
| <b>ENAMEL</b>                    | E2   | E2   | E3   | E3     | E4   | E1   | E3   | E3   | E3   | E2   | E3   | E3   | E4   | E2   | E3   | E3   |

| Bleaching                       | A <sub>00</sub>   | A <sub>0</sub>   | B <sub>00</sub>   | B <sub>0</sub>   |
|---------------------------------|-------------------|------------------|-------------------|------------------|
| <b>PASTE OPAQUE</b>             | POA <sub>00</sub> | POA <sub>0</sub> | POB <sub>00</sub> | POB <sub>0</sub> |
| <b>OPAQUE(Powder&amp;Paste)</b> | A <sub>00</sub> O | A <sub>0</sub> O | B <sub>00</sub> O | B <sub>0</sub> O |
| <b>DENTINE</b>                  | A <sub>00</sub> D | A <sub>0</sub> D | B <sub>00</sub> D | B <sub>0</sub> D |
| <b>OPACIOUS DENTINE</b>         | ODA <sub>00</sub> | ODA <sub>0</sub> | ODB <sub>00</sub> | ODB <sub>0</sub> |

| TRANSLUCENT | Clear   | Opal   | Pearl   | Brown   | Blue   | Milky   | Pink   | Amber   | Luster | Luster |
|-------------|---------|--------|---------|---------|--------|---------|--------|---------|--------|--------|
|             | T-Clear | T-Opal | T-Pearl | T-Brown | T-Blue | T-Milky | T-Pink | T-Amber | LTo    | LT1    |

| Color Modifier | Yellow | Orange | Pink | Dark Brown | Grey | White | Blue |
|----------------|--------|--------|------|------------|------|-------|------|
| <b>OPAQUE</b>  | OM-Y   | OM-O   | OM-P | OM-DB      | OM-G | OM-W  | -    |
| <b>DENTINE</b> | DM-Y   | DM-O   | DM-P | DM-DB      | DM-G | DM-W  | DM-B |

| MARGIN (Shoulder)                           | S1            | S2              | S3             | S4              | S5            | GUM       | LIGHT PINK | DARK PINK | ADD ON | BODY CLEAR |
|---------------------------------------------|---------------|-----------------|----------------|-----------------|---------------|-----------|------------|-----------|--------|------------|
|                                             | A1,B1         | A2,B2,C1,D2     | A3,B3,B4       | C2,D3,D4        | A3.5,A4,C3,C4 |           |            |           |        |            |
| <b>GLAZE &amp; STAIN (Powder&amp;Paste)</b> | GLAZE<br>PINK | YELLOW<br>LILAC | ORANGE<br>BLUE | OCHEER<br>BLACK | BROWN<br>GREY | RED BROWN | DARK BROWN |           |        |            |

PASTE OPAQUE : 20 Shades and Base Opaque(POP-ACE:Orange)

## Firing Schedule

| Condition          |              | PreDry      |       |              | Firing      |              | Vacuum (mmHg) |
|--------------------|--------------|-------------|-------|--------------|-------------|--------------|---------------|
| Bake               |              | Start Temp. | Time  | Heating Rate | Final Temp. | Holding Time |               |
| 1st OPAQUE(Wash)   | Paste        | 500C°       | 8 min | 65C°/min     | 960C°       | 1 min        | full          |
|                    | Powder       | 650C°       | 5 min | 55C°/min     | 950C°       | 1 min        | full          |
| 2nd OPAQUE         | Paste        | 500C°       | 8 min | 65C°/min     | 950C°       | 1 min        | full          |
|                    | Powder       | 650C°       | 5 min | 55C°/min     | 940C°       | 1 min        | full          |
| MARGIN(Shoulder)   |              | 650C°       | 5 min | 55C°/min     | 935C°       | 1 min        | full          |
| 1st BUILD-UP(Body) |              | 600C°       | 8 min | 45C°/min     | 930C°       | 1 min        | full          |
| 2nd BUILD-UP(Body) |              | 600C°       | 8 min | 45C°/min     | 920C°       | 1 min        | full          |
| GLAZING            | Self-        | 650C°       | 3 min | 50C°/min     | 920C°       | 0.5 min      | -             |
|                    | Powder Paste | 500C°       | 5 min | 50C°/min     | 910C°       | 0 min        | -             |
| ADD ON             |              | 650C°       | 5 min | 55C°/min     | 850C°       | 1 min        | -             |

• This firing schedule is just recommended conditions for your good firing results.

• You should change the firing temperature according to your porcelain furnace, and control the holding time within 1min for the size of bridges.