

microbond[®]
NATURAL CERAMIC SYSTEM

The Visible Difference

Howmedica, Inc.
DENTAL LABORATORY PRODUCTS DIVISION

The
Next
Generation of:

microbond[®]
NATURAL CERAMIC SYSTEM

The next Micro-Bond Natural Ceramic System gives you these advantages:

NATURAL FLUORESCENCE

Micro-Bond Ceramic has a uniform fluorescence comparable to natural teeth under *any* light—including ultraviolet lights used in discos, bars, restaurants, and outdoor "bug" lights.

Micro-Bond contains a patented, uranium-free, rare-earth fluorescent agent in all three layers—Incisal, Body, and

Opaque. The intensity of the fluorescence is blended to light and dark shades in order to match natural dentition.

Fluorescence in the *Opaque* layer—a feature unique to the Micro-Bond Natural System—lets the ceramist build up thin labial areas while retaining natural fluorescence.

NATURAL TRANSLUCENCY

The Micro-Bond Natural System offers translucency in the Incisal as well as the Body layers. There are three different Incisals to choose from: Standard Incisal, Translucent Incisal, and Ultra Lite—a clear, unclouded formulation with natural translucency.

SHADE CONSISTENCY

For each shade of Micro-Bond Body Ceramic, there is a matching shade of Micro-Bond Opaque. Each is available in 40 shades, including the full range of popular shades comparable to the Vita Lumin and Bioform shade guides.



Bioform[®] is a registered trademark of Dentsply International. Vita Lumin is a registered trademark of Vita Zahnfabrik A.G.

COMPATIBILITY WITH ALLOYS

Micro-Bond ceramic materials are formulated to correlate with the co-efficient of expansion of all Howmedica precious, ceramic alloys and the Micro-Bond ^{IP} non-precious alloy.



PRODUCTION-ORIENTED SYSTEM

Additional features of the Micro-Bond Natural System include:

- **Fine grain composition**—helps minimize shrinkage and improve condensing characteristics.
- **Universal liquid**—when used as directed, simplifies the buildup procedure because only one liquid is required for processing. Also serves as an indicator of proper prefire drying.
- **Color-coded ceramics**—Pink Body and blue Incisal ceramics aid technicians during the buildup procedure.
- **Color-coded containers**—Containers are color-coded yellow (Opaque), pink (Body), blue (Incisal), and white (Ultra Lite Incisal) for easy identification. Attached lids help eliminate mix-ups.
- **Stainless steel work station**—Steel rack can accommodate a number of 30 and 100 gram containers. The rack fits under any standard bench shelf with all container identification labels facing the technician.

Ask about our exchange program for obtaining the "new generation" of Micro-Bond ceramics. Trial Kits contain: two popular shades of Opaque and Body (B-2 and 66), Translucent and Ultra Lite Incisals, and the new Universal liquid.

Recommended Firing Technique

Before the application of ceramic to metal, refer to the Technique for the alloy being used for metal preparation, conditioning, and bonding agents. For optimal bonding of Micro-Bond Ceramics to an alloy, proper conditioning of that particular alloy must be followed.

OPAQUE STAGE

The opaque is applied in the conventional manner utilizing the Universal Liquid,* dried and fired in air from 1400°F (760°C) to 1700°F (925°C). Remove from oven and let cool.

BODY BAKING

The first bake and the second bake (if required) are fired under full vacuum from 1400°F (760°C) to 1775°F (970°C). After reaching temperature remove from oven and let bench cool.

NATURAL GLAZE

The unit is fired in air from 1400°F (760°C) to 1800°F (980°C) and then allowed to bench cool.

STAINING AND GLAZING

The unit is stained and/or overglazed to the desired shade match and fired from 1400°F (760°C) to 1775°F (970°C) in air. Remove and bench cool.

SPECIAL NOTES

(1) This kit contains a Universal Liquid* system. Please note . . . Liquid is ready for use as received. *Do not dilute.*

The Universal Liquid can be used for Opaque, Body and Incisal Ceramic.

(2) All temperatures stated are based on non-programmed furnaces with a horizontal muffle.

(3) Fully programmed and upright muffles may vary in time and temperatures, therefore, firing time and temperature may have to be adjusted for proper results.

APL Austenal
Products
Laboratories
microbond
NATURAL CERAMIC SYSTEM

Howmedica, Inc.

DENTAL LABORATORY PRODUCTS DIVISION
5101 South Keeler Ave • Chicago, Illinois 60632