Structural Color

Structural color occurs when different wavelengths of light are amplified or weakened by the structure of a material itself, expressing colors other than what the material may actually be. From morpho butterflies to peacocks, some of the rarest and most beautiful colors in nature are the result of structural color.

Smart Chromatic Technology

Through the utilization of Tokuyama’s spherical fillers and Smart Chromatic Technology, OMNICHROMA is the first use of structural color in composite dentistry.

OMNICHROMA’s structural color mechanism is made possible by the precise shape and size of the filler within the composite. The 260nm identical spherical fillers of OMNICHROMA are the perfect size and shape to produce the effects of structural color to match the surrounding tooth color.

INSIDE THE TECHNOLOGY

OMNICHROMA Fillers generate red-to-yellow structural color as ambient light passes through the composite, without the need of added pigments and dyes. The red-to-yellow color combines with the reflected color of the patient’s surrounding dentition, creating the perfect match from A1 to D4 and beyond.

FEATURES & BENEFITS

One-Shade OMNICHROMA Products

• Unprecedented shade-matching ability and esthetics
• Exceptional handling, polishability, and strength
• Shade matches both before and after bleaching
• Reduction of inventory and expired composite
• Minimized chair time and reliance on shade-matching procedures

Order OMNICHROMA Today

Call +1 (877) 378-3548 or visit TOKUYAMA-US.COM

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OMNICHROMA Changes Everything

OMNICHROMA is the first universal composite that offers one shade to match all patients. The red-to-yellow structural color generated by OMNICHROMA combines with the reflected color of the surrounding tooth and creates the perfect match for almost every patient.

To match every smile, most composite brands require multiple shades. That's because most composites today depend on the color of red and yellow dyes added to the resin material to emulate tooth shades. This means that dentists must keep a large inventory of different composites to accommodate a variety of patients.

Just One Shade for Every Patient

- No more shade selecting needed
- No more excess product for incidental shades
- No more expired composite

OMNICHROMA is a standard universal procedure. This patient is up close before curing, allowing for higher visibility and easier placement. After curing, it transitions natural in appearance and matches the color of the surrounding tooth.

Most Clinical Cases

OMNICHROMA uses a standard universal procedure. This patient is up close before curing, allowing for higher visibility and easier placement. After curing, it transitions natural in appearance and matches the color of the surrounding tooth.

Color and Composites

All smiles have something in common, and that is the colors that make up human teeth shades. From A1 to D4, all shades of teeth express a narrow range of red-to-yellow color.

A1 to D4, all shades of teeth express a narrow range of red-to-yellow color. This means that dentists must keep a large inventory of different composites to accommodate a variety of patients.

Color space

Color and Composites

Enamel Shade (MPa)

Enamel Shade (MPa)

150

OMNICHROMA excels in minimizing wear in both the composite itself and in opposing dentition, resulting in long-lasting restorations.

OMNICHROMA produces extremely glossy results and maintains its cured color very well, resisting the effects of staining on its appearance.

High Strength

OMNICHROMA’s compressive and flexural strength is equal to or exceeds other commercially available composites, assuring dentists that patients can bite with confidence.

Minimal Wear

OMNICHROMA offers extremely glossy results and maintains its cured color very well, resisting the effects of staining on its appearance.

OMNICHROMA is the first universal composite that offers one shade to match all patients. The red-to-yellow structural color generated by OMNICHROMA combines with the reflected color of the surrounding tooth and creates the perfect match for almost every patient.

Case Studies

Case images courtesy of Dr. James Chae, Diamond Bar, CA

Read all instructions, information, precautions, and notes in IFU before use.

Before Light Curing

After Light Curing

Light Curing

Light Curing

glossiness (%) in vitro

Stain Resistance

Glossiness

Compressive Strength

Flexural Strength

Color Change (ΔE*)