



essentia

The smart simplification of a composite system!

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Leonardo da Vinci said that simplicity is the ultimate way of sophistication. When it comes to developing an aesthetic dental composite material, we tend to overcomplicate things, caused either by old recurring concepts, by industry competitiveness or by wrong analysis of nature observation. However, ultimate simplification is possible when we jump across these problems and start from scratch. Developed within the GC Europe Restorative Advisory Board, Essentia represents the minimalism inside the composite world, a simplified system that enables an easy but effective aesthetic restoration with a very limited amount of shades. The complete kit, with just 7 shades and 4 modifiers, becomes a paradigm shift in layering composites.



The classic concept of a composite material with a big variety of hues and chroma within its range is starting to become obsolete. The actual tendency is to have a unique hue but still with a big range of chroma options. We took the simplification further to create a new approach with only three dentins and two enamels as a base.

Regarding teeth, the base color (hue, value and chroma) is mainly given by dentin,

followed by a modulation of value by enamel. Value is also determined by the opacity of a translucent material, opaque materials have a higher value, while translucent materials have a lower value. It is known that matching hue and chroma is not as important for a successful restoration as matching value.

Using the same base opacity for all dentin shades in a system can generate problems as younger teeth have very little chroma



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