



DENTAL ADVISOR
TOP AWARD
COMPOSITE:
UNIVERSAL

2010-2019 Award Winner!

DENTAL ADVISOR
www.dentaladvisor.com

RATINGS:

Excellent + + + + +
Very Good + + + +
Good + + +



Estelite Sigma Quick® + + + + +

Tokuyama Dental America Inc.
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Description

Estelite Sigma Quick® is a universal, supra-nano filled restorative material utilizing 100% spherical filler technology. With a filler weight of 82% (71% volume), the spherical fillers provide a uniform diffusion of light, allowing for a more forgiving shade match and superb blend to surrounding teeth. In addition, the spherical fillers provide low composite wear over time and are safe for opposing dentition while causing less wear on opposing teeth. According to the manufacturer, **Estelite Sigma Quick** has a low 1.3% volumetric shrinkage and low shrinkage stress for decreased post-operative sensitivity and resistance against marginal leakage, allowing for lasting patient comfort. The composite is available in both syringes and pre-loaded tips (PLTs) in shades A1, A2, A3, A3.5, A4, A5, B1, B2, B3, B4, C1, C2, C3, OA1, OA2, OA3, OPA2 (opalescent), BW (bleach white), WE (white enamel), and CE (clear enamel). This product received a 99% clinical rating.

Evaluation Protocol

Estelite Sigma Quick was evaluated by 21 editors who placed nearly 1200 restorations.

Editors' Observations

Manufacturer's instructions/Packaging

Editors rated both the packaging and instructions as very good. The instructions are clear and thorough. Packaging is clearly marked and easy to store; however, some editors commented they would prefer having all the shades available in one box. The pre-loaded tips (PLT) are each labeled with the name and shade for easy identification.

Ease of dispensing/Viscosity

The ease of dispensing from the PLT is among the highest rated features. It flows well and stays where placed.

Ease of placement/Non-stickiness to instrument

The ease of placement and workability of this composite are excellent. Editors liked the packability as well as the capacity to



Editors' Comments

"Works well with all of the bonding systems I use in my office."

"Great handling!"

"Not as sensitive to the operating light as other composites."

"Huge variety of shades that blend very well with tooth."

"It's rare that I would get this excited about a composite, but this one blew me away!"

"One box that holds several components would aid in the ease of transporting the kit from operator to operator."

work well with most bonding agents. The lack of stickiness to instruments was also rated very good.

Shade availability/Shade match before and after curing

The complete assortment of shades offers superior versatility. The system is comprised of 20 shades, 4 opaque, bleach white, as well as white and clear enamel. Shade matching both before and after curing is excellent with minimal shade shift.

Blending of composite with tooth

The composite blends exceptionally well with the surrounding tooth structure. Editors felt the material was not too opaque and had very good translucency.

Radiopacity/ Sensitivity to ambient light

The radiopacity was very good. The composite is not overly sensitive to ambient light.

Ease of finish, polish/Quality of final polish/Final esthetics

Editors reported *Estelite Sigma Quick* was easy to polish and provided a highly satisfactory finish. Overall they were extremely impressed with the final polish and excellent esthetics of this material.

Clinical Tip

- Use a nylon (plastic) instrument for anterior incisal edge/ angle restorations when layering shades. The flexibility of the instrument and viscosity of the composite work well together to allow feathering of the composite before curing.