In a sphere of their own!

Tokuyama are technological pioneers in the field of light-cured sub-microscopic spherical filler particles, which has resulted in composite restorations of outstanding aesthetics, reliability and user-friendliness.

They are the only composite manufacturer to use patented spherical filler particles within their materials. Each variant utilising spherical particles of different diameters to maximise their optical and physical properties for the desired indication.

Tokuyama's unique spherical filler particles produce the highest gloss in the shortest possible time. Their fillers are not easy to dislodge and create a very smooth surface that is highly resistant to abrasion. Their initial lustre lasts and lasts.

Consequently, Tokuyama spherical fillers ensure smooth restorations that stay smooth; diffuse and transmit light for optimal shading and aesthetics; produce mirror reflection and have high abrasion resistance that ensures a long-lasting polish, lustre, durability and colour stability; and optimum optical shading.

Utilising patented Sol-Gel Technology Tokuyama 'grow' their spherical filler particles to a diameter that is optimised for their desired colour adaptation and outstanding physical properties. All other manufacturers simply grind their glass materials until the individual filler particles are within a desired, but random size range. Their filler particles are all irregular in size and shape, as seen under a scanning electron microscope. But what does this mean for the clinician and patient?

- **Mirror reflection and lustre:** With their identically shaped spherical filler particles, Tokuyama composites reflect light just like natural enamel and have a natural lustre.
- **Abrasion resistance:** Tokuyama composites' uniform and small spherical filler particles are not easy to dislodge and produce a very smooth surface that is highly resistant to abrasion. This abrasion resistant surface remains smooth permanently, so that the initial lustre of Tokuyama composites remains permanent too. Unlike irregularly shaped filler particles used by other manufacturers, which can become dislodged or plucked out by polishing etc to leave a rough and irregular pitted surface which is very abrasive and very difficult to polish.
- **Light diffusion and transmission:** The high light diffusion and transmission properties of Tokuyama composites ensure a uniform and gradual transition between tooth and composite. Unlike conventional composites which exhibit minimal light diffusion and transition resulting in visible margins.
- **Faster polishing:** Tokuyama composites produce the highest gloss in the shortest time.
- **Radical Amplified Polymerisation (RAP) Technology:** Tokuyama's patented Radical Amplified Polymerisation (RAP) Technology enables them to reuse the camphorquinone over and over again. This not only speeds up the curing time, but also dramatically reduces the amount of camphorquinone that is necessary in other composites.
- **Longer working time, faster cure:** Tokuyama's RAP Technology ensures faster curing plus high resistance to ambient light to ensure an extremely generous working time, when required. Followed by an extremely short curing time. Consequently, Tokuyama composites offer ease of placement, sculpting and finishing which remains completely under your control until the moment you want it to cure, at which point it cures virtually instantaneously.
- **Deep and complete cure:** Tokuyama's RAP Technology ensures a much higher degree of polymerisation resulting in much lower residual monomer, which leads to stronger, deeper and more complete curing.
- **Minimal shade change:** When camphorquinone is light cured its shade changes to a more yellowish hue. Tokuyama's RAP Technology means there is a much lower proportion of camphorquinone in their composite materials which ensures an imperceptible shade change after light curing. Unlike other composite brands.

Full Day Restorative Hands-on Workshops with Joan Mach

In association with GC UK and NSK, Trycare are running a series of Full Day Workshops by Joan Mach, one of Europe's leading exponents in minimally invasive aesthetic and restorative dentistry. Joan will cover all the key points for achieving excellence in direct anterior composites using a biomimetic and non-invasive approach. Including how to accomplish outstanding aesthetic results and long-lasting treatments in the anterior region using the latest products, including Tokuyama's Estelite Sigma Quick.

Featuring the use of silicon matrices, layering processes for complex class IV restorations, finishing & polishing, and much, much more, live demonstrations and hands-on practice will help Delegates to recreate nature and achieve natural lifelike results.

Offering 6 ½ Hours CPD with Learning Objective C, the Workshops will be held in Birmingham (Friday 14 June) and London (Saturday 15 June). Course fee, including all course materials and refreshments, £395.00 + vat (before 30 April 2024) and £495.00 + vat (after 30 April 2024).

For more information about the Tokuyama range or to book a place on the Workshop call 01274 885544 or visit www.trycare.co.uk.