



Quadrant, from Cavex, offers a carefully matched range of adhesive materials that provide the appropriate solution for every "quadrant". It includes light- and chemically-cured composites, bonding systems, core build-up material, adhesive cement and a desensitizing primer. The Q-System is specially developed for dental practice. For dental use only.

Laughing all the way from the dentist, thanks to Quadrant Anterior Shine.

Quadrant Anterior Shine brings back that healthy, natural look, so its smiles all round again. The brilliantly polished surface and natural fluorescence, just like natural teeth, make the application entirely invisible. A perfect composite (in syringes or capsules) for anterior restorations, treatment of enamel defects, discoloration, positional correction and closing diastemas.



Photo Hein de Kloet



SYSTEM

Ideal handling properties for the anterior area.

Patients expect treatment in the front to produce, above all, aesthetically pleasing results without, however, any concessions to clinical requirements.

This demands materials with superior handling properties. Composite that flows well and evenly and doesn't stick to instruments, which can be polished to a high gloss effect and with a colour palette that matches the natural look of the patient's teeth.

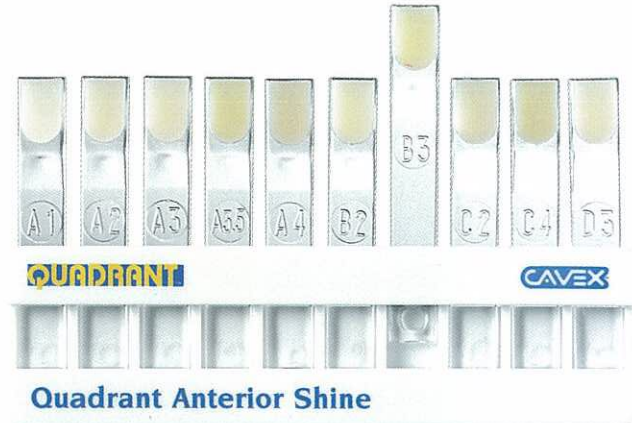
Quadrant Anterior Shine has all these properties. The application is invisible even in black light, as has been demonstrated in scientific research. The prism structure of the barium glass results in natural light refraction and a high gloss.

The durability of this microhybrid composite guarantees a wear and fracture resistant surface, colour stable due to its low liquid absorption. Q-System brings you Quadrant Anterior Shine with Quadrant Total Etch and Quadrant Uni-1-Bond as an optimally balanced system.



The perfect match.

Quadrant Anterior Shine gives you 10 Vita™ shades as standard, plus the extra coating of OA2 and OA3.5 for masking discoloration. Shade I (incisal) is added to imitate the natural translucence of the incisal edges.



The etching gel and bonding, tried and proven components of the Q-System, also constitute a perfect match. Optimally compatible materials that therefore generate no surprises and contribute greatly to an aesthetically perfect final result.

Quadrant Total Etch contains 20% phosphoric acid. With this acid concentration and a contact time of 20 seconds, hybrid layers with an optimal thickness of 10 µm* are formed. The presence of the gel (or any remnants) is clearly indicated by the distinctive blue colour.

* S. Uno and W.J. Finger. *Journal of Dentistry*, Vol. 24, No.3, pp. 211-216, 1996.

① Quadrant Uni-1-Bond, a primer and sealer in one, adheres to both enamel and dentine. A thin layer is sufficient for a cosmetic final result. Quadrant Uni-1-Bond owes its unique adhesive properties to the 4-META monomer, with a hydrophilic group (bonds to dentine) and a hydrophobic group (bonds to composite).



The ethanol water basis of this single bottle bonding increases the rewetting capacity.

Fluorescence pigment, natural look

The addition of fluorescence pigment makes Quadrant Anterior Shine unique amongst composites. The effect can best be judged



Photo Hein de Kloet

under black light. Other composites betray themselves under such conditions, but Quadrant Anterior Shine is entirely indistinguishable from the natural element.

How does Quadrant Anterior Shine differ from other composites?

Barium glass, smooth, brilliant, chameleon effect

All Quadrant composites use the unique properties of barium glass. The prism structure of the barium glass particles refracts the light in a natural way so the restoration takes on the colour of its surroundings. This is known as the chameleon effect.



The particles of barium glass in the filler matrix are of varying dimensions. The matrix also contains prepolymerised silicate particles. This combination enables quick and easy polishing to a high-gloss, smooth finish, for a pleasant, clean feeling. The surface is not susceptible to deposits or discoloration and is highly resistant to plaque formation.

Bis-GMA and UDMA, the ideal consistency

A flowing consistency makes it easier to obtain beautiful modelling results, which is why UDMA (Diurethane dimethacrylate), a monomer with a low viscosity, has been added to the tried and trusted Bis-GMA matrix of Quadrant Anterior Shine. The composite is also thixotropic. This means, the material flows under pressure and remains stable once the pressure is relieved.

Balanced blend of monomers and fillers doesn't stick to instruments

The ideal modelling properties of a composite are all easily undone if it sticks to instruments. Thanks to the carefully chosen balance of monomers and fillers, however, Quadrant Anterior Shine does not stick to instruments, so you avoid inadvertently damaging your own work or the bonding layer.

A durable microhybrid that keeps its looks

The choice between a microfine matrix (good-looking, but less strong) and a hybrid composition (strong, but less good looking) is difficult. Quadrant Anterior Shine therefore has a microhybrid filler mix.

The durability - in this case not at the cost of aesthetic characteristics - protects the restoration against fracture and wear. The extremely low water absorption prevents discoloration. Beautiful and strong, year after year.



With thanks for the use of the illustrations from the "Handboek voor Esthetische Tandheelkunde" by Joost Roeters/Hein de Kloet, 1998.

