

# *THE WONDER OF WHITE TEETH*

There is a popular misconception that teeth are white, or should be. Every dentist knows better; the colours of the natural elements vary from A1 to D4. And that does not include white.

Nevertheless, the wonder of white teeth does exist:  
The scientific explanation is fluorescence.  
The ability of enamel and dentine to absorb light of various wavelengths and radiate it as visible white light. Photographs taken in black light demonstrate as much.

Under normal light conditions, fluorescence gives the impression of radiant white. This gives natural teeth, a lively look. The same look we would all wish for in an anterior restoration.

A wish dentists can now grant with Quadrant Universal LC.  
Light-curing universal composite,  
with the lively expression of your own teeth.  
The wonder in practice.

**PRODUCT FEATURES**

- fluorescence pigment
- barium glass
- durable
- polishes beautifully

## Quadrant Universal LC with fluorescence pigment.

Cavex has succeeded in enriching Quadrant Universal LC with fluorescence pigment. Now, dentists have a composite that is pleasant to work with and gives their restorations the white, lively look of natural elements.

Unlike light reflection, thanks to the fluorescence pigment, the invisible ultraviolet rays in the light are absorbed and radiated as visible white light, as you can see in figure B.

The visual effect of the restoration is no longer matt, but exhibits natural vitality at all times of the day, in all types of light. After all, UV radiation is always present, not only in black light.

The varying particle size in the matrix also ensures a smoothly polished surface. The refractive index of the filling substance barium glass provides the desired chameleon effect, so restorations are impossible to distinguish from the real thing.

Your dental depot supplies Quadrant Universal LC with fluorescence pigment in syringes and capsules. For further information on product composition and applications, please contact Cavex, on +31 (0) 23 530 77 00, or at [www.cavex.nl](http://www.cavex.nl)

*Photography and dentistry by H. de Kloet.*



A1. Restoration with non-fluorescent composite X in daylight.



A2. Black light photograph with non-fluorescent composite X.



B1. Restoration with Quadrant Universal LC in daylight.



B2. Black light photograph of Quadrant Universal LC.

