

Product Information On

Quadrant FiniSense Desensitizing Primer

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- **Introduction.**

Dental desensitizing primers such as Quadrant FiniSense are used in the dental practice to relieve pain caused by exposed toothnecks or dentine and to prevent or relieve post-operative sensitivity under all restorative materials.

Quadrant FiniSense causes coagulation of the proteins in the dentine liquid. The direct result of this is intradentinal closing of the tubuli, which prevents movement of the liquid in them – the cause of the sensitivity.

Quadrant FiniSense has a permanent effect when underneath restorative materials. Pain at the tooth neck disappears for about 12 months.

Quadrant FiniSense is compatible with all restorative materials and it is available in 5-ml bottles.

The standard application of Quadrant FiniSense is as follows:

- Clean the dentin using, for example, pumice slurry.
(Quadrant FiniSense can be applied without removing the smearlayer by etching)
- Carefully dry the dentine surface, the tooth may be somewhat moist.
(Working with rubberdam is recommended)
- Apply the minimum amount of Quadrant FiniSense required for the treatment and allow this to work for 30 seconds.
(It is not necessary to use a polymerisation lamp)
- Gently blow-dry with a stream of air, until the liquid disappears and the surface no longer shines.
- Rinse thoroughly with water.

Quadrant FiniSense is developed and manufactured by Cavex Holland B.V., a Company that is certified according to the provisions of the Council Directive 2017/745 concerning Medical Devices, against ISO 9001 and ISO13485.

Quadrant FiniSense bears the CE-Mark of conformity.

- **Composition.**

The basic ingredients of Quadrant FiniSense are:

2-Hydroxyethylmethacrylate	36	% w
Glutardialdehyde	5	% w
Water	59	% w

- **Manufacturing.**

Basically, all ingredients are carefully weighed and blended.

- **Laboratory control.**

At present, a product standard for desensitizing primers is not available. Therefore, quality control is carried out according to a number of in-house standards.

- **Shelf-life test.**

There is no official shelf-life test described for composite resins, bonding agents or desensitizing primers. But it is well known that dental materials may show some deterioration upon storage, in particular at elevated temperature. Therefore, care should be taken to protect the product from a decrease in quality.

Extensive shelf-life studies have been carried out at different temperatures, recording any change in product qualities related to storage conditions.

Based on the results of these tests, we can guarantee the good qualities of Quadrant FiniSense for a period of 42 months, provided the product is stored at <25°C.

- **Quality Control.**

A batch of Quadrant FiniSense, that has passed all the tests, is released for sales. In case of one or more requirements being not in specification, that batch is withdrawn and not sold.

- **Statement of non-toxicity.**

We hereby declare that Quadrant FiniSense can be safely used and is non-toxic to the dentist, the dental assistant as well as to the patient.

Quadrant FiniSense will also normally not be irritant to oral tissues. Quadrant FiniSense does not contain any poisonous ingredients in sufficient concentration to be harmful to human beings, when used as directed.