



Product Information  
On

**Quadrant Uni-1-Bond**  
(Light curing Adhesive)

<b>Legal manufacturer:</b>	Cavex Holland BV Fustweg 5 2031CJ Haarlem The Netherlands SRN: NL-MF-000000423
<b>Regulatory evaluator:</b>	<b>Danny Stoelinga</b>
<b>Signature:</b>	
<b>Regulatory manager:</b>	<b>Richard Woortman</b>
<b>Signature:</b>	
<b>Version:</b>	2023-12

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## 1. Introduction

Quadrant Uni-1-Bond is a light curing, single component bonding agent for universal use in combination with adhesive restorations. Quadrant Uni-1-Bond primes and bonds in one step. Quadrant Uni-1-Bond is an ethanol-based formulation of light-activated, adhesive resins.

Quadrant Uni-1-Bond is developed and manufactured by Cavex Holland B.V. of Haarlem, The Netherlands, a Company that is certified according to the provisions of the Regulation (EU) 2017/745 concerning Medical Devices, against ISO 9001 and ISO 13485.

Quadrant Uni-1-Bond bears the CE marking of conformity.

## 2. Composition

The following materials are used in Quadrant Uni-1 Bond:

Function	Raw Material	% Mass
Monomer	Urethandimethacrylate	28.5
Monomer	Hydroxyethylmethacrylate	16.0
Monomer	4-Methacryloxyethyltrimellitanhydrid (4-META)	4.0
Active	Glutaraldehyde	2.5
Monomer	Carboxylic acid based monomer	7.0
Catalyst	Camphoroquinone catalyst system	0.5
Solvent	Ethanol	30.0
Viscosity	Distilled water	11.5

## 3. Manufacturing

The manufacturing of Quadrant Uni-1 Bond is the result of gradually mixing all raw materials into a homogeneous, clear yellow liquid. Quality controls ensure the good quality of Quadrant Uni-1 Bond after the manufacturing process.

## 4. Laboratory control

The following tests are performed to ensure the good quality of the raw materials on the product Quadrant Uni-1 Bond:

Characteristic	Product specifications	Release specifications	
Appearance	Clear yellow liquid, homogeneous	Clear yellow liquid, homogeneous	
Refractive index	1,4255 – 1,4295	1,4275 – 1,4295	
Shear bond strength	>20	>20	Mpa
Packaging and marking	Must comply	Must comply	

## **5. Shelf-life test**

Quadrant Uni-1-Bond should be used at room temperature. Based upon evaluations we can guarantee the good quality of Quadrant Uni-1-Bond for a period of 36 months when stored at temperature -10 to 25°C and exposure to direct sunlight is avoided. However, we recommend that the product is stored in a refrigerator when not in use.

## **6. Quality Control**

A batch of Quadrant Uni-1-Bond, 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.

## **7. Statement of non-toxicity**

We hereby declare, that Quadrant Uni-1-Bond can be safely used and is non-toxic to the patient as well as to the dental team.