

FAST. EASY.
REVOLUTIONARY.

QUARTZ fiber
COMPOSITE

AT THE
**CUTTING
EDGE**
OF IMPLANT
REHABILITATION

QUARTZ FIBRE CORE

QUARTZ fiber COMPOSITE

QUARTZ fiber is a revolutionary material for dental technicians, specifically designed for implant rehabilitation. It is a composite reinforced with the highest quality quartz fibres designed to offer the **best resistance** to the core of your product and **impeccable aesthetics** with a **total reduction in processing time**.



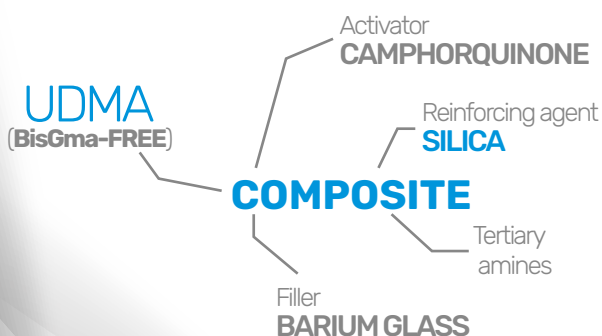
SINTERED
QUARTZ FIBER

QUARTZ FIBER COMPOSITION



A highly effective "green" composite

Why Quartz Fiber?



QUARTZ fiber is created with fibres **with very high silica content which ensure high mechanical properties**.

Quartz fibers have an SiO₂ content of almost 100% with traces of Al₂O₃ and TiO₂.

Presence of Silica in the fibres

QUARTZ FIBRE	99%
SILICA FIBRE	95-97%
GLASS FIBRE	50-70%

ADVANTAGES

- High dimensional stability
- Very high tensile strength (about 1039 N versus 1370 N of carbon fibre).
- High temperature stability (operating temperature of 1000°C with peaks at 1,500°C)
- Chemical resistance, particularly to acids
- Moisture-resistant



What you can do with **QUARTZ** fiber COMPOSITE

- ◆ Implant-supported substructures for **Toronto Bridge and Natural Bridge**

- ◆ Substructures for **crowns and bridges**

QUARTZ fiber is
FAST Light Curable
Immediate Loading
Option

Thanks to QUARTZ fiber
Processing Times
are drastically
reduced

 **EASY &
VERSATILE**

- ◆ Can be used with **any technique or protocol**.
- ◆ Is a **repairable material**.
- ◆ QUARTZ fiber can be coated with aesthetic laboratory composite (Toronto and Natural Bridge entirely in composite).
- ◆ **Easy polishing.**
The protocol provides for sealing first (light curable sealant) and then mechanical polishing (polish for composite).

RESISTANT

QUARTZ fiber guarantees products manufactured in a short time with all **the strength and unbeatable resistance of quartz fibre.**

100% RELIABLE

With the use of a flask for composites, the dental technician obtains a product **identical to the product used on the patient during the aesthetic test.**

TOP AESTHETHICS

QUARTZ fiber makes it possible to produce products with minimal thickness, with a **very high aesthetic impact.**

SAFE

METAL FREE
Bis-GMA-free
composite

QUARTZ fiber COMPOSITE



Download your
photographic
guide on how
to use QUARTZ
fiber here!



INFO

Don't hesitate to contact us for any further information. Our infoline is open and all our technicians are on hand to answer all your questions!

info@ruthinium.it



Dental Manufacturing S.P.A.
Via Cà Mignola Nuova, 1699 45021 Badia Polesine (RO)
P.IVA 01039350291 CF 01058640283
Tel. +39 0425 51628

info@ruthinium.it
www.ruthinium.it