



QUANTUM

**LIGHT CURING
SOLUTIONS**

QUANTUM LIGHT CURING

1. For medical applications.
 - New to the world light curing tissular adhesive.
2. For the medical devices industry.
3. For the cosmetics market.
4. For the industry and the consumer.

Why light curing cyanoacrylates?



DUAL CURING SYSTEMS TO:

- Bond
- Repair
- Seal
- Coat

Dual curing adhesives, sealants and coatings that cure on command, very fast, and close to 100% in few seconds.

- Light and shadow curing
- Very low blooming
- Gap filling
- Instant bonding, sealing and coating
- Tack free after curing
- 100% curing in few seconds

New to the world products / technologies from Quantum.



1 CROSS LINKABLE CYANOACRYLATES

- Superior performance thanks to the crosslinked/reinforced polymer structure **CROSSTEC®** INSIDE.

2 LIGHT CURING CYANOACRYLATE BASED TISSULAR ADHESIVES

- Bonding and sealing the skin on command, and at the speed of light.

3 LIGHT CURING CYANOACRYLATE BASED COATING FOR NAILS

- Glossy coating.
- To treat weak and broken nails.
- To treat hangnails.

Properties / Performance



BONDING

SEALING

COATING

DUAL CURING

DRY TO TOUCH AFTER CURING

FULL CURING IN FEW SECONDS

VERY LOW TOXICOLOGY PROFILE

VERY LOW BLOOMING

Product range



	Quantum LC 10	Quantum LC 100	Quantum LC gel	Quantum LC 10 Plus	Quantum LC 10 B	Quantum MD 100LC	Quantum LC Tissular Ad
BASE	Ethyl	Ethyl	Ethyl	Ethyl Crosstec® Inside	Butyl	Ethyl	Butyl
VISCOSITY	40–60 cps	120–150 cps	60,000 cps	40–60 cps	40–60 cps	100 cps	100 cps
COLOUR	Cures transparent	Cures transparent	Cures transparent	Cures transparent	Cures transparent	Cures transparent	Cures transparent
CURETIME PHOTOCURE	<10 sec	<10 sec	<10 sec	<10 sec	<10 sec	<10 sec	<10 sec
WORKING T RANGE	–20 to 80°C	–20 to 80°C	–20 to 80°C	–20 to 120°C	–20 to 80°C	–20 to 80°C	—
SHEAR STRENGTH	ABS 80–100 k/cm²	ABS 80–100 k/cm²	ABS 70–90 k/cm²	ABS 80–100 k/cm²	ABS 70–90 k/cm²	ABS 80–100 k/cm²	—

Light curing ethyl cyanoacrylates based adhesives.



For the industrial / professional and consumer applications

- Any viscosity possible
- 3 standard products available
 - Low (40 to 60 cps)
 - Medium (120 to 150 cps)
 - High (2.000 to 2500 cps)

Many applications for the industry

- Any assembly application where bonding on command, very fast, low blooming is required.
- Low energy required to cure (blue led light)

Infinite applications for the consumer

- As any instant adhesive and gap filling, to repair, reconstruct and seal.

CUANTUM LC CROSSTEC®
— I N S I D E —



Crosslinkable light curing cyanoacrylate.

- New to the world.

CUANTUM LC10 PLUS CROSSTEC®
— I N S I D E —

Superior performance compared to any light curing cyanoacrylates from the market.

- Temperature resistance
- Humidity resistance
- Chemical resistance

Applications

- Medical devices
- Electronic industry
- Car industry

DURABILITY

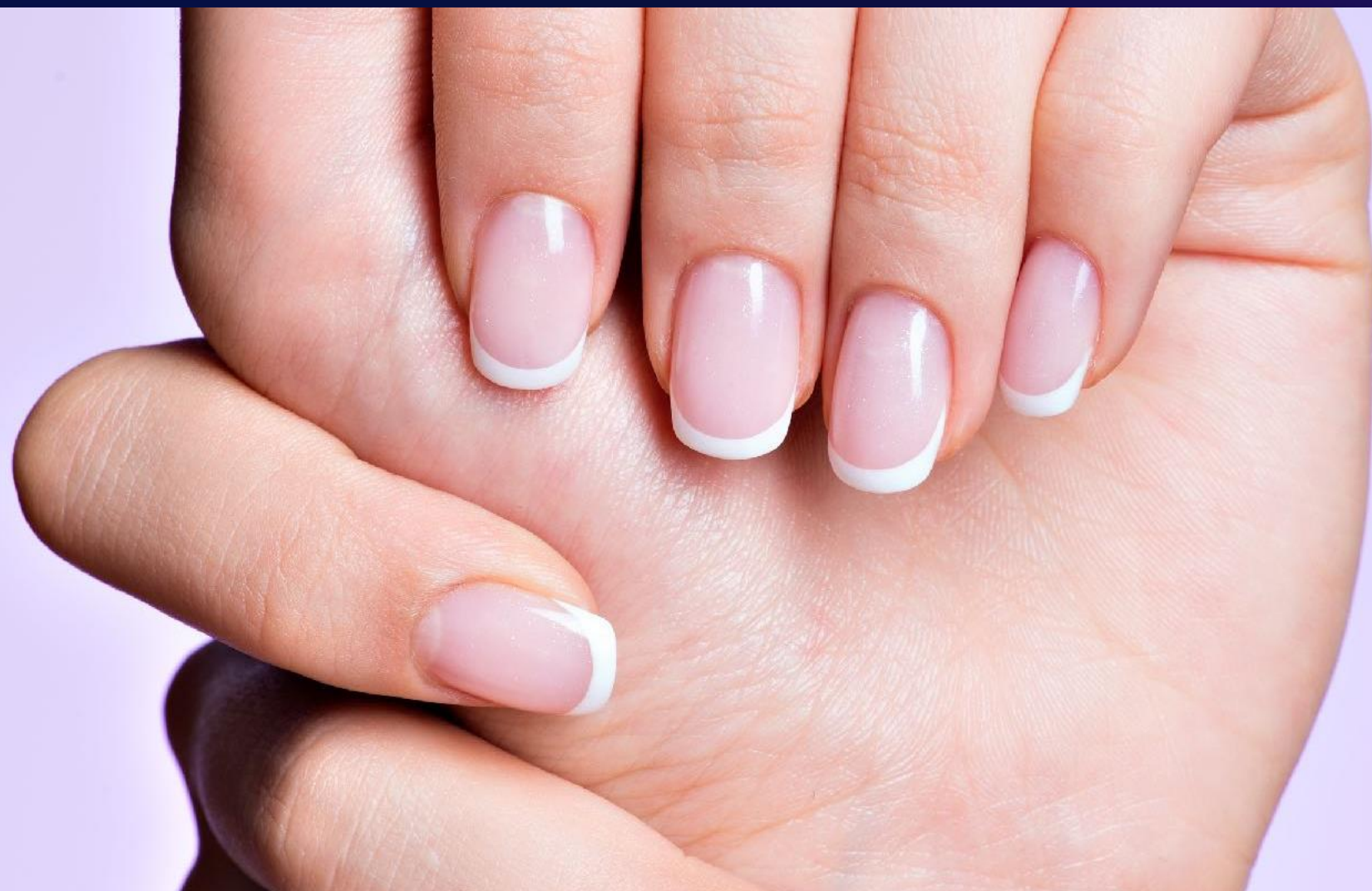
CUANTUM LC- B

Butyl cyanoacrylate based light curing adhesive with very good performance as sealant and coating.



Consumer applications

- Nail coating (varnish)
- Glossy coating
- Hand coating
- Long durability
- For weak nails
- For hangnails



Industrial applications

- Plastic bonding and sealing
- Rubber bonding
- Coating applications (conformal coatings)
- Protective coatings.



CUANTUM MD 100 LC

For the medical devices industry ISO 10993 CERTIFIED



- **Dual curing.**
- **Very good performance in combination with Plasma treatment.**
- **Shadow and light curing.**

- **Cateter manufacturing**
- **Syringes manufacturing**
- **Infusion bags**
- **Hearing aids**
- **Etc...**



CUANTUM LC TISSULAR ADHESIVE

New to the world light curing tissular adhesive



- For skin closure.
- For oral applications.
- Bonding on command.
- For plastic surgery.

Butyl cyanoacrylate based formulation CE approved.

Oral applications:

- Wisdom tooth removal procedures.
- Implant procedures.

