



CONSUMER / INDUSTRIAL APPLICATIONS



QUANTUM E SERIES

Instant adhesives

High quality instant adhesives for consumers and the industry. **Ethyl cyanoacrylate based.**

Properties

- Instant adhesion.
- Very high adhesion strength.
- Multi - material.
 - Bonds a large number of substrates (except polyolefins).
- Transparent.
- Easy to use.
- Different viscosities available.
- Long shelf life.

Quantum E products

The Quantum E products are **ethyl cyanoacrylate based** for general assembly.

Formulated to bond porous and insensitive substrates.



QUANTUM E SERIES

	Quantum E10	Quantum E100	Quantum E1000	Quantum EGel	Quantum EGel-AC
VISCOSITY	Low	Medium	High	Gel	Gel
FIXTURE TIME	<12 s	<12 s	15 s	<20 s	<5 s
APPEARANCE	Transparent	Transparent	Transparent	Transparent	Transparent
CURE	Moisture	Moisture	Moisture	Moisture	Moisture plus activator
LAP SHEAR STRENGTH	BS: 23-25 N/mm ²	BS: 23-25 N/mm ²	MS: 11-13 N/mm ²	BS: 20-25 N/mm ²	BS: 20-25 N/mm ²
AVAILABLE FORMATS	20, 50, 500 g	20, 50, 500 g	20, 50, 500 g	10, 20, 50 g	10, 20, 50 g
AUXILIARS					Primer activator

BS: Blasted steel MS:Mild Steel



QUANTUM E SERIES

	Quantum EP 10	Quantum ER 100
VISCOSITY	Low	Medium
FIXTURE TIME	90 - 120 s	10 - 30 s
APPEARANCE	Colored liquid	Black liquid
CURE	Moisture	Moisture
LAP SHEAR STRENGTH	Torque strength#	BS: 20-26 N/mm ²
AVAILABLE FORMATS	20, 50, 500 g	20, 50, 500 g

BS: Blasted steel

#TORQUE STRENGTH	Quantum EP 10	
Fastener size	Breakaway (Nm)	Prevail (Nm)
2 - 56	0.02	0.02
8 - 32	0.29	0.24
10 - 32	0.36	0.23

Quantum EP10: Design as a theradlocker for non mettalic materials.
 Quantum ER100: Rubber toughened.



CUANTUM M SERIES

Instant adhesives

High quality instant adhesives for consumers and the industry. **Methoxyethyl cyanoacrylate based.**

Properties

- Methoxyethyl based.
- High bonding strength.
- Bonds a large range of materials (polystyrene included).
- Low odour/low blooming.
- Transparent.
- Easy to use.
- Different viscosities.
- Non irritant.

Quantum M products

The Quantum M products are formulated with methoxyethyl cyanoacrylate monomer of special quality that makes possible to have fast and long shelf life formulated adhesives. Similar performance that ethyl based instant adhesives.



QUANTUM M SERIES

	Quantum M 10	Quantum M 100	Quantum M 1000	Quantum M Gel
VISCOSITY	Low	Medium	High	Gel
FIXTURE TIME	<12 s	<12 s	<12 s	30 s
APPEARENCE	Transparent	Transparent	Transparent	Transparent
CURE	Moisture	Moisture	Moisture	Moisture
LAP SHEAR STRENGTH	BS: 21-23 N/mm2	BS: 20-25 N/mm2	BS: 11-13 N/mm2	BS: 16-18 N/mm2
AVAILABLE FORMATS	20, 50, 500 g	20, 50, 500 g	20, 50, 500 g	10, 20, 50 g

BS: Blasted steel



CUANTUM PREMIUM SERIES

CROSSTEC inside

Instant adhesives

High quality instant adhesives with additional performance for high value added applications.

Properties

- Based on special grade monomers or mixture of monomers.
- E PLUS series:
Chemical and temperature resistance and enhanced moisture resistance for E PLUS series products.
Instant bonding.
- FLEXIBLE series:
Mixture of monomers cured as copolymers.
Flexible cured materials due to the polymer composition.
Multi-substrates.
Fast curing.

Quantum PREMIUM products

Formulated using special grade ethyl CA (E PLUS series) or ethyl, butyl, methoxyethyl and octyl CA mixtures of monomers (FLEXIBLE series).
Unique formulations with unique performance.

CROSSTEC: Cross linker for cyanoacrylate chemistry.
Proprietary technology.



QUANTUM PREMIUM SERIES

	Quantum E 100 PLUS*	Quantum E 1000 PLUS*	Quantum EB100(1)	Quantum MO100(2)
VISCOSITY	Medium	High	Medium	Medium
FIXTURE TIME	<12 s	<15 s	<12 s	<12 s
APPEARANCE	Transparent	Transparent	Transparent	Transparent
CURE	Moisture	Moisture	Moisture	Moisture
LAP SHEAR STRENGTH	MS: 12-14 N/mm2	MS: 12-14 N/mm2	BS: 11-17 N/mm2	MS: 10-12 N/mm2
AVAILABLE FORMATS	20, 50, 500 g	20, 50, 500 g	20, 50, 500 g	20, 50, 500 g
OTHERS	Chemical, H ₂ O and T resistance	Chemical, H ₂ O and T resistance	Flexible	High flexibility

BS: Blasted steel MS: Mild steel

* CROSSTEC inside
(1) Flexible copolymer
(2) Extreme flexibility

CUANTUM XTREME SERIES

2 PART CYANOACRYLATES.

Instant adhesives

High quality instant adhesives for consumers and the industry.

Dual Curing

Properties

- 2 part cyanoacrylates.
- Gap filling.
- Bond, repair and seal.
- Open times 3-10 minutes.
- Very fast fixture and curing times.
- Easy to dispense through 2 part syringes and static mixes.
- Multi-substrates.

Cuquantum XTREME products

Formulated as 2 part cyanoacrylates, using different monomers depending on the desired performance.

From high strength cured polymers to very soft and flexible cured polymers for flexible bonding and instant / fast sealing.



CUANTUM XTREME SERIES

	Quantum XTREME STRENGTH	Quantum XTREME IMPACT	Quantum XTREME FLEX	Quantum XTREME ELASTIC	Quantum XTREME PLUS
VISCOSITY	Thixotropic gel	Thixotropic gel	Thixotropic gel	Thixotropic gel	Thixotropic gel
FIXTURE TIME	10-40 s	25-50 s	70-90 s	80-100 s	10-40 s
OPEN TIME	4-6 min	4-6 min	4-6 min	4-6 min	4-6 min
APPEARANCE	Transparent gel	Transparent gel	Transparent gel	Transparent gel	Transparent gel
CURE	By mixing	By mixing	By mixing	By mixing	By mixing
LAP SHEAR STRENGTH	MS: 17-20 N/mm ²	BW: 10-14 N/mm ²	Stress strain [#]	Stress strain ^{##}	BW: 10-13 N/mm ²
AVAILABLE FORMATS	25, 50 g	25, 50 g	25, 50 g	25, 50 g	25, 50 g
OTHERS	Bond and repair	Great resistance to impact	Very good flexible bonding	Elongation at break >300%	Chemical, H ₂ O and T resistance

BW: Beech wood MS: Mild steel

Elongation at break > 200 %
 Mechanical load break > 150 N
 Young's Modulus < 2 MPa

Elongation at break > 300 %
 Mechanical load break > 100 N
 Young's Modulus < 2 MPa

QUANTUM LC SERIES

Instant and light curing adhesives

High quality instant adhesives for consumers and the industry.

Properties

- Light curing cyanoacrylate.
- Dual cure system (light and moisture).
- High sensitivity to visible and UV light.
- Long shelf life.
- Bonds, fills and repairs.
- Can be used as a coating.
- Very fast curing.
- Multi-materials.
- Available in different viscosities.
- All products available with UV tracer for in-line quality control.

Quantum LC products

Formulated with different monomers to enable a wide range of performances for the formulated adhesives.

Light curing (from visible to UV).
Fillet curing.
Very easy application.



QUANTUM LC SERIES

	Quantum LC-10	Quantum LC-100	Quantum LC-GEL	Quantum LC-10PLUS	Quantum LC-10-B
VISCOSITY	Low	Medium	Gel	Low	Low
FIXTURE TIME	Light <5 s Moist. 20–30 s	Light <5 s Moist. 25–30 s	Light <5 s Moist. 30–35 s	Light <5 s Moist. 20–30 s	Light <10 s Moist. 25–35 s
APPEARANCE	Transparent	Transparent	Transparent	Transparent	Transparent
CURE	Dual light and moisture	Dual light and moisture	Dual light and moisture	Dual light and moisture	Dual light and moisture
LAP SHEAR STRENGTH	MS: 14-16 N/mm ²	MS: 14-16 N/mm ²	MS: 14-16 N/mm ²	MS: 16-18 N/mm ²	MS:12-13 N/mm ²
AVAILABLE FORMATS	20, 50, 500 g	20, 50, 500 g	10, 20, 50 g	20, 50, 500 g	20, 50, 500 g
OTHERS				Chemical, H ₂ O and T resistance	

MS: Mild steel

CUANTUM MD SERIES

FOR MEDICAL DEVICES INDUSTRY. ISO 10993

Instant adhesives

High quality instant adhesives for the medical device industry.

Properties

- Instant adhesives.
- Designed and formulated for the medical devices industry.
- ISO 10993 certified.
- Biocompatible cyanocrylates.
- Multi substrate
- Special grade to bond plastics.

Quantum MD products

Formulated with different monomers to achieve the required performance.

From high strength/rigid to medium/high strength and flexibility.



CUANTUM MD SERIES

FOR MEDICAL DEVICES INDUSTRY. ISO 10993

	Quantum MD-100	Quantum MD-100 M	Quantum MD100-MO	Quantum MD100-LC
VISCOSITY	Medium	Medium	Medium	Medium
FIXTURE TIME	<12 s	<12 s	<12 s	Light < 5 s Moist. 25–30 s
APPEARANCE	Transparent	Transparent	Transparent	Transparent
CURE	Moisture	Moisture	Moisture	Dual curing light and moisture
LAP SHEAR STRENGTH	BS:18-23 N/mm ²	BS:20-25 N/mm ²	MS:10-12 N/mm ²	MS:7-9 N/mm ²
AVAILABLE FORMATS	20, 50, 500 gr	20, 50, 500 gr	20, 50, 500 gr	20, 50, 500 gr

BS: Blasted steel

MS:Mild steel

CUANTUM G Primer

Glass primer

To bond glass surfaces with instant adhesives.

Properties

- Compatible with cyanoacrylate adhesives.
- Accelerates the adhesion time.
- Specially designed for glass surfaces.
- Dries in few seconds.
- Adhesion strength improvement.



CUANTUM P Primer

Plastic primer

Primer for bonding plastic surfaces using instant adhesives.

Properties

- Compatible with cyanoacrylate adhesives.
- Adhesion improvement on poorly activated substrates.
- Specially designed for polyolefin materials.
- Dries in a few seconds.
- Adhesion time durability increased.



CUANTUM Activator

Primer activator

To accelerate adhesion / fixture time.

Properties

- Compatible with cyanoacrylate adhesives.
- Accelerates the adhesion time.
- Multi-substrate use.
- Dries in a few seconds.







CUANTUM

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