



Quantum Quartz
ULTRA-COATING SOLUTION

Camper Vans & Boats



www.quantum-quartz.com

CCM produces a unique range of „Liquid Glass“ coatings for almost all interior and exterior surfaces. These coatings are designed for application to Camper Vans and Boats. Various levels of quality are offered, ranging from high performance easy-to-apply, „wipe-and-go“ coatings (super simple and quick to apply) to extremely durable industrial coatings for professional use.

Q² Quantum Quartz is not just a brand, but an accurate description of the composition of our technology. The coatings are predominantly based on SiO² (quartz) and are measured at the quantum level. The **Q² Quantum Quartz** protective coatings have a thickness ranging from 100nm+/- (approx. 500 x thinner than a human hair) up to, approx. 10µm/micrometer (our premium coating, 97640).

Overview – from nano scale to micron scale:

97660 Q² „Polish 2 in 1“

This coating is loved by boat detailers. It provides an amazingly "low friction" layer. It is very easy to apply, simply wipe on and buff (e. g. by using a polishing machine). It can be used for internal and external surfaces and it provides a super smooth, easy to clean, hydrophobic surface. It is not designed to be a highly durable coating but it will still last for at least 6 months on the exterior surface of a motor home.

98654 Q² Quick Gloss (water-based)

This coating is an exceptionally easy to apply yet durable and long lasting coating. It is designed to provide a quick and easy hydrophobic coating. Simply spray the coating on to the target surface, usually external paintwork, plastic seating, (boats) stainless steel fittings etc.. After spraying on the water based liquid, simply wipe the surface and lightly buff if required. It takes seconds to apply and will last up to 6 months. Very easy to re-apply.

97656 Q² Plastic-Metal Premium

This is a highly durable DIY liquid glass coating. It requires greater care when preparing for application. In order to gain maximum performance from this coating, it is important that all target surfaces must be perfectly clean and dry. The coating is applied in seconds. Simply wipe this liquid glass on to the surface and then buff some minutes later. It will withstand many tens of thousands of wiping actions. It is suitable for stainless

steel, plastic and painted surfaces, eg. headlights, body work, instrument panels, bridge windows, air-craft windows, motor cycle visors, cockpit areas, oven tops. It is heat resistant to 250°C.

90643 Q² Easy On

This coating is like a "supercharged 97656". It is applied in the same way, by wiping, but it is a significantly more durable coating as at 900+/- nano meters it is approximately 9 times thicker than 97656. It can be applied to metal, plastic, glass and painted surfaces. It provides a super durable, non-staining hydrophobic coating which will last for several years on the bodywork of a car, boat hull or aircraft. The coating, which provides a super glossy surface is also highly resistant to solvents, acids and alkalis. It is also massively heat tolerant. This coating can be used on almost all non-porous surfaces and it is fast and easy to apply.

97640 Q² Profi Protect – Our Premium-Quality

This coating is a military grade coating. It is massively durable but with great durability comes great responsibility. This is a „professional“ coating. It has enormous bonding energy and has to be applied correctly. It can be applied by spraying or wiping depending on the need of the customer. When applied the coating provides an ultra-durable, glossy, stain resistant, graffiti resistant, heat tolerant, anti-corrosive, UV stable, hydrophobic coating. The coating will last for many years.

Comparison of our Premium Coatings for car painting and rims from nano scale to micron scale:

	97660	98654	97656	90643	97640
Application	Very easy, simply wipe on and buff off	Very easy, simply wipe on and buff lightly	DIY - clean, apply with care and buff after curing	For skilled application	For professional application
Application Temperature	-25°C to +80°C, suitable for application in direct sunlight	0°C to +45°C	+5°C to +30°C	-5°C to +40°C	+5°C to +35°C
Durability	3 to 6 months	6 to 12 months	12 to 24 months	Up to 36 months	Up to 72 months
Curing Time	12 hours at 20°C (car usable after one hour)	5 minutes (car immediately usable)	12 hours at 20°C (car usable after one hour)	24 hours for water resistance, 6-7 days for abrasion resistance (car usable after 5 hours)	7 days at room temperature (car usable after 5 hours)
Perl effect	Medium	High	High	High	High
Gloss effect	High	High	High	High	High
Scratch resistance	✓	✓	✓	✓✓✓	✓✓✓✓
Per Mid-range Car	Approx. 100ml	Approx. 100ml	Approx. 50ml	Approx. 50ml	Approx. 50ml
Consistence	Emulsion, solvent free (no waxes or solvent silicones)	Liquid, water-based	Liquid, alcohol-based	Liquid, multi solvent-based	Liquid, multi solvent-based
Resistant to Frost	Yes	Yes	Yes	Yes	Yes
UV resistant	Yes	Yes	Yes	Yes	Yes

Further recommended products:

7601 Q² Windscreen Coating

This coating offers exceptional performance. It is quick and easy to apply and makes driving in rain significantly safer.

Once you have driven with this coating on your windscreen you will never wish to drive without it. Please refer to our online videos.

7689 Q² Textile Coating (water-based)

This water based coating can be applied to almost all fabrics. Simply

spray the coating on to the fabric and allow it to dry. After curing the fabric becomes massively resistant to abrasion and staining.

683 Q² Rapido Leather & Fabric Protection (alcohol-based)

This is a rapid curing coating for leather and fabric. It also bonds to painted leathers, it offers deep penetration, excellent olephobicity & hydrophobicity and long term protection.

A World Class Coating: 97640 Q² Quantum Quartz 9H

This highly advanced coating has been specially developed for the demanding requirements of the marine, auto, aviation, military and transport sectors. It is extremely resistant to corrosion, abrasion, and temperatures, and can be applied to metal, plastic, powder-coated, and painted surfaces. Curing can occur at ambient temperature but the additional application of heat is also advantageous. The coating forms an extremely strong bond with the surface, and creates an abrasion-resistant finish with very high resistance to solvents.

The thin and transparent coating possesses extreme stability, and a degree of hardness up to 9H can be achieved. Suitable for all kinds of caravans, boats, vehicles (including vintage cars), and motorcycles.

What is a Q² Quantum Quartz 9H coating?

Our Camper Van, Boat & Car **Q² Quantum Quartz 9H Coating** is a glass coating based on silanes. The coating can be applied as either a thick layer of approximately 10 microns on to surfaces which are not highly reflective or the coating can be applied and then buffed thus reducing the coating thickness to approximately 2 microns. This latter procedure is normally used in the caravan/auto sector. The coating is neither paint, wax nor a sealant, and cannot flake off or be washed off. The coating forms a durable ("covalent") bond with the paint, and it can only be removed by strong abrasive forces. The coating cannot be dissolved by standard chemicals which are commonly used in the auto sector. The coating provides a highly glossy appearance but like all surfaces abrasion will eventually impact on the coating. The useful life of the coating will depend on the amount of abrasion that the surface is subjected to.

What is 9H?

We use the familiar "pencil hardness" to describe the hardness of a layer. The measuring range is between 6B (smoothest) and 9H (hardest). The Auto and Aerospace **Q² Quantum Quartz 9H Coating** achieves a hardness grade of *8H (drying at indoor temperature) up to 9H (heat drying).

**The hardness of a coating is measured when the coating is applied to a metal test bed. If the coating is applied to a soft painted surface the hardness of the coating will remain constant but the underlying soft painted surface and the coating can be distorted if point loading pressure is applied.*

Properties

- Clear, colourless liquid based on silanes. Contains solvents.
- Extremely abrasion-resistant, with very high adhesive properties, and high impact strength
- Hydrophobic, oleophobic and stain-resistant
- Suitable for spray or manual application.
- After polishing the surface will become "ultra shiny"

- "Easy-to-clean" effect - surfaces stay cleaner for longer, and all cleaning becomes very easy, thus extending the cleaning intervals and reducing cleaning and maintenance costs.
- Highly effective for up to 10 years
- Application with electric polishing machine possible
- Material consumption for an entire car, approx. 50ml

Temperature resistance

The coating is heat-resistant up to 750°C, and cold-resistant up to -90°C.

Oxidation and corrosion resistance

Bare metal will oxidize over time, as will painted surfaces. The Auto and Aerospace **Q² Quantum Quartz 9H Coating** is very dense and it protects paint and metal against contact with water and oxygen, and is therefore a highly effective corrosion resistant layer.

High resistant against chemicals

The coating is 100% resistant against chemicals/solvents, to which vehicles are generally exposed.

The Camper Van, Boat & Car 9H Coating can also be applied to:

Rims, head lights, windowpanes, door handles. Also suitable for a wide range of other materials... non-ferrous metals, galvanized (zinc-coated) metals/steel, painted and powder-coated surfaces, anodized aluminium, and plastics.

50 ml

Art. Nr. 97640-50

100 ml

Art. Nr. 97640-100

1.000 ml

Art. Nr. 97640-1

Windows:

7601



Paintwork:

97660 90643
98654 97640
97656

Plastics / Stainless Steel:

97656

Textile:

7689
683

CCM Liquid Glass Coatings for Motor and Sail boats

**Top Sides
(above the water line/deck areas):**

97656 90643
97654 97640

Solar Panel:
Glass Coating
7601

Aluminium/Metal:

97656
97654
90643
97640

Windows:

Glass Coating
7601

Textile:

7689
683 (PE/PP Fasern)

Faux Leather:

Plastic Coating
97656
683

Plastics/Stainless Steel:

90643
97640
97656



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