



Rapport
Armalite: world leaders in armour protection

Terrorism in all its forms is a world-wide problem which grows more serious every year, and violence has become the standard technique in the armoury of the political extremist and the criminal.

Whether carried out for political or criminal ends, personal attacks have become a threat to anyone of wealth or position and to those near to them through whom pressure can be applied. No one is immune to the threat.

Into this situation Rapport Armalite brings new standards of protection to defeat the attack at the point of greatest vulnerability – when travelling, whether in passenger car, private plane, boat or even on foot. A Rapport Armalite conversion will give you unrivalled protection against the sophisticated weapons

State, Government Ministers and leading Industrialists, as well as Armed Forces, Police and security organisations.

Rapport Armalite maintains research and development programmes covering all aspects of security which, with continuing ballistic testing, keeps us ahead of each new threat and so maintains Rapport Armalite's position as world leader in bullet-resistant vehicle conversions and personal protection.

We do not make standard products. This brochure therefore can only give a broad guide to the types of protection available, and for security reasons our total capability is not shown.

tion against attack by terrorists

employed by terrorists today, and in addition to the basic Rapport Armalite armouring specification an extensive range of equipment can be incorporated to complete the defence capability according to your needs.

Rapport Armalite vehicles look quite normal in use because the keynote of the conversions is to achieve the level of protection specified in a manner which is undetectable to all but the closest examination. The light weight of Rapport Armalite armour ensures normal performance and manoeuvrability of the vehicle; factors which are in themselves a further protection in the event of an attack.

Rapport Armalite protected vehicles are in use in many countries by Royalty, Heads of





The invisible advantages

Rapport Armalite bring to the field of bullet-resistant luxury vehicles major benefits which cannot be assessed visually but which are of paramount importance in the protection of the individual.

Firstly, our specially developed armour offers substantially greater protection than conventional armour plate without the weight penalty normally associated with the degree of protection achieved.

This lower weight allows you to enjoy the performance and handling characteristics of the original car.

We are able to carry out conversions to the highest levels of protection by a combination of

good design and craftsmanship. Only the most detailed examination will reveal any changes from the manufacturer's specification, and these changes are carried out to a standard of workmanship at least equal to the original.

The additional equipment required to activate and control the various defence and communication systems is installed in an unobtrusive way which blends with the styling of the original car.

These factors combine to give protection without drawing attention to the fact that the vehicle or its occupants are in any way extraordinary, which permits a freedom of movement not normally possible with this type of vehicle.



Transparent armour

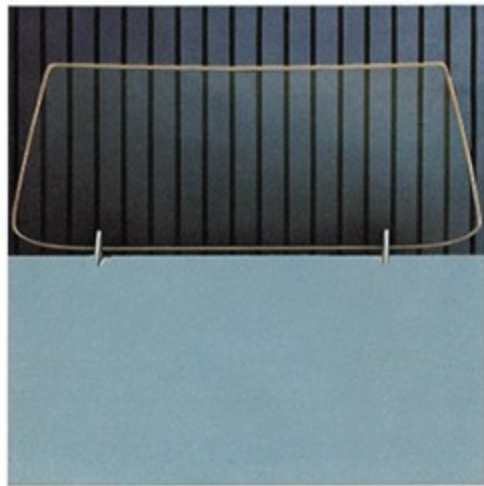
In conjunction with a leading international aircraft glass manufacturer Rapport Armalite have developed a method of producing a bullet-resistant laminate of glass and polycarbonates, which is curved to duplicate and replace the original glass of the vehicle.

The techniques used permit replacement glass for a wide range of vehicles to be produced. Those shown in this brochure are some of the more frequently used cars and Rapport Armalite will advise on the best vehicle for your needs.

The optical quality of the curved bullet-resistant glass is of the highest standard and similar in appearance to the original glass. The laminates incorporated do not discolour or

degrade through exposure to ultra-violet light. This means that unlike most other glass/plastic combinations, Rapport Armalite transparent armour retains its ballistic and optical performance almost indefinitely.

The armoured windscreen is bonded in position by a special process to provide maximum protection from all directions without reduction of driver visibility. Door glasses are fully framed with polished armour steel and located in the original window channels. Windows are available in both fixed and electrically operated versions – another feature unique to Rapport Armalite which enhances the vehicle's versatility.



High performance opaque armour with minimum weight penalty

Bullets are stopped because Rapport Armalite's unique combination of matched materials results in the controlled dissipation of energy in a manner which has proved much more effective than conventional armour.

The Rapport Armalite ability to provide protection has been proven on many occasions before groups of international security specialists, when Rapport Armalite protected vehicles were seen to withstand attack from many single and rapid-fire weapons, even at close range.

Bona fide clients may be invited to see film taken of these unique demonstrations and to examine test vehicles and materials.

The full armour cover of this multi-layer of

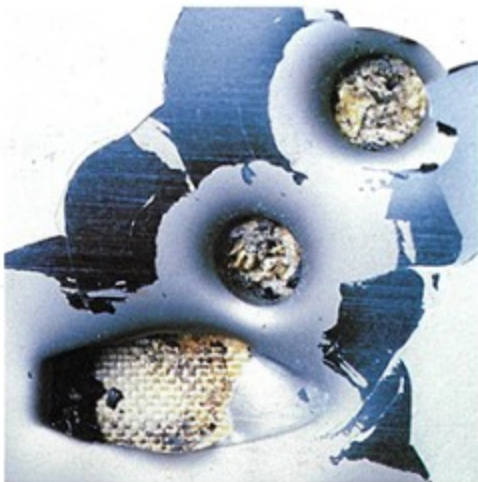
ceramics and advanced fibres is applied to the whole of the passenger compartment of the vehicle. Doors, front and rear bulkheads and roof (including sun-roof if fitted) all receive this treatment, whilst the floor is protected against grenade and small bomb attack.

Special attention is paid to the usually vulnerable areas around door locks and hinges and in order to foil kidnap attempts additional specially developed locks can be installed on doors and windows to resist forced entry into the car. Roof pillars receive special treatment to minimise the risk of projectiles entering the passenger compartment.

Fuel tanks are fully protected and are also internally treated by a cellular engineering process to eliminate the danger of fuel explosion.



Proportional cross section of Rapport Armalite multi-layer armour



Defence systems

In addition to the basic armouring provided by our conversions, a wide range of active defence systems is available.

In the event of an attack, smoke canisters can be fired from concealed launchers which will completely envelop the car in dense smoke within seconds. This can be used to confuse the attackers and to allow the occupants to escape. C.S. gas canisters can also be used in the same way to disable attackers.

To prevent smoke or gas being drawn back into the car, and as a defence against external gas attack, a self-contained air pressurisation system can be installed with an operating capability long enough to withstand extended attack.

Electrically operated door bolts of special design, with central control, can be fitted in addition to reinforced locks to counter forced entry and kidnap attempts.

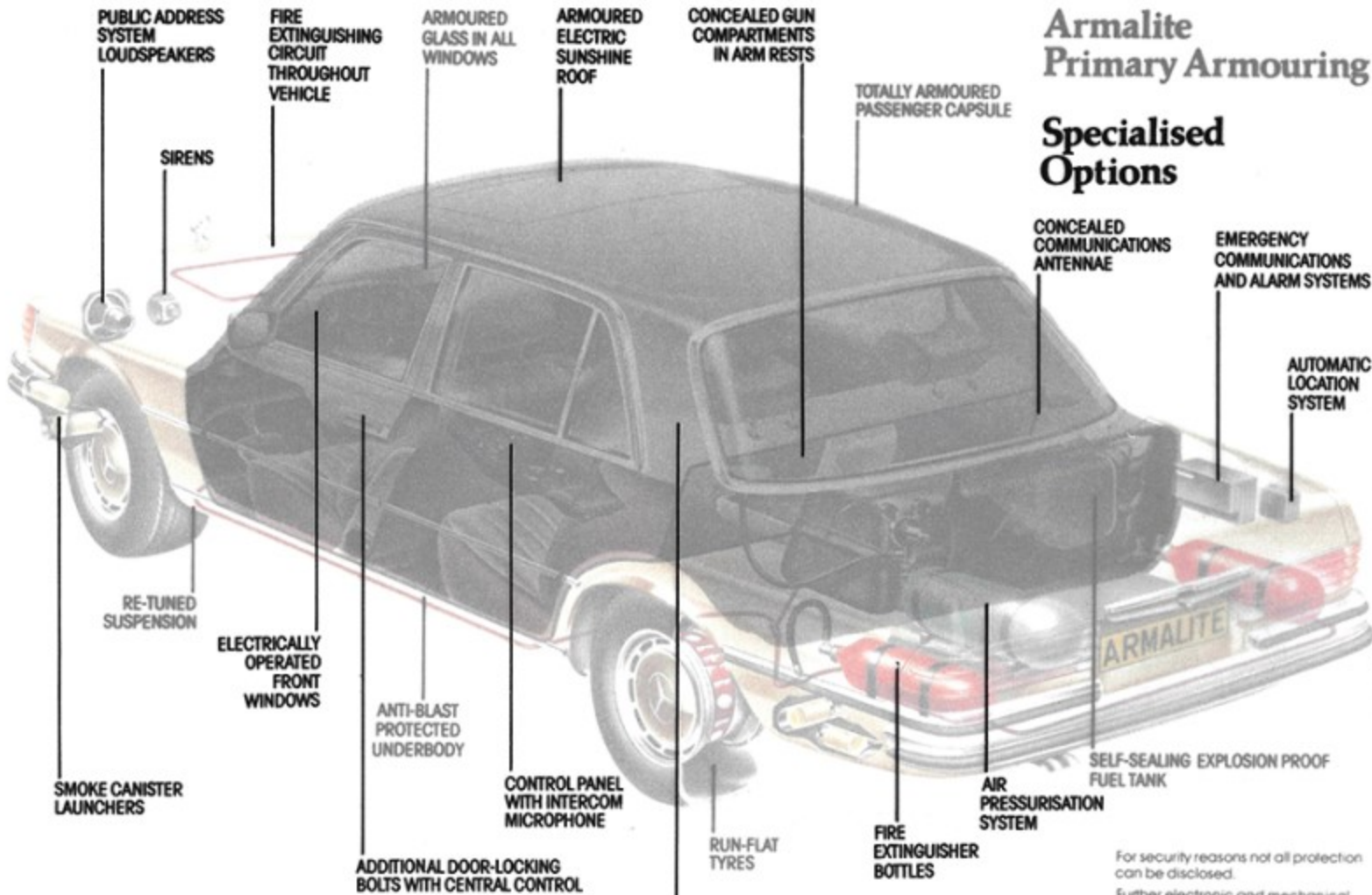
Some of the other concealed options, depending upon clients requirements, include automatic or semi-automatic aircraft type fire extinguishing systems protecting engine, fuel tank and passenger compartment; sirens, radio alarms, communication and other electronic

systems; flashing lights, burglar alarms and reinforcement for ramming; return fire ports, fire direction indicators, automatic location system, concealed communication antennae, and an intercom system permitting communication with those outside the car without running the risk of opening windows or doors.



Armalite Primary Armouring

Specialised Options



CONCEALED INTERCOM SYSTEM FOR SECURE EXTERNAL COMMUNICATIONS WITHOUT OPENING DOORS OR WINDOWS

For security reasons not all protection can be disclosed.

Further electronic and mechanical protection can be provided to meet individual requirements.

Armalite Primary Armouring

ARMoured
GLASS IN ALL
WINDOWS

TOTALLY ARMoured
PASSENGER CAPSULE

RE-TUNED
SUSPENSION

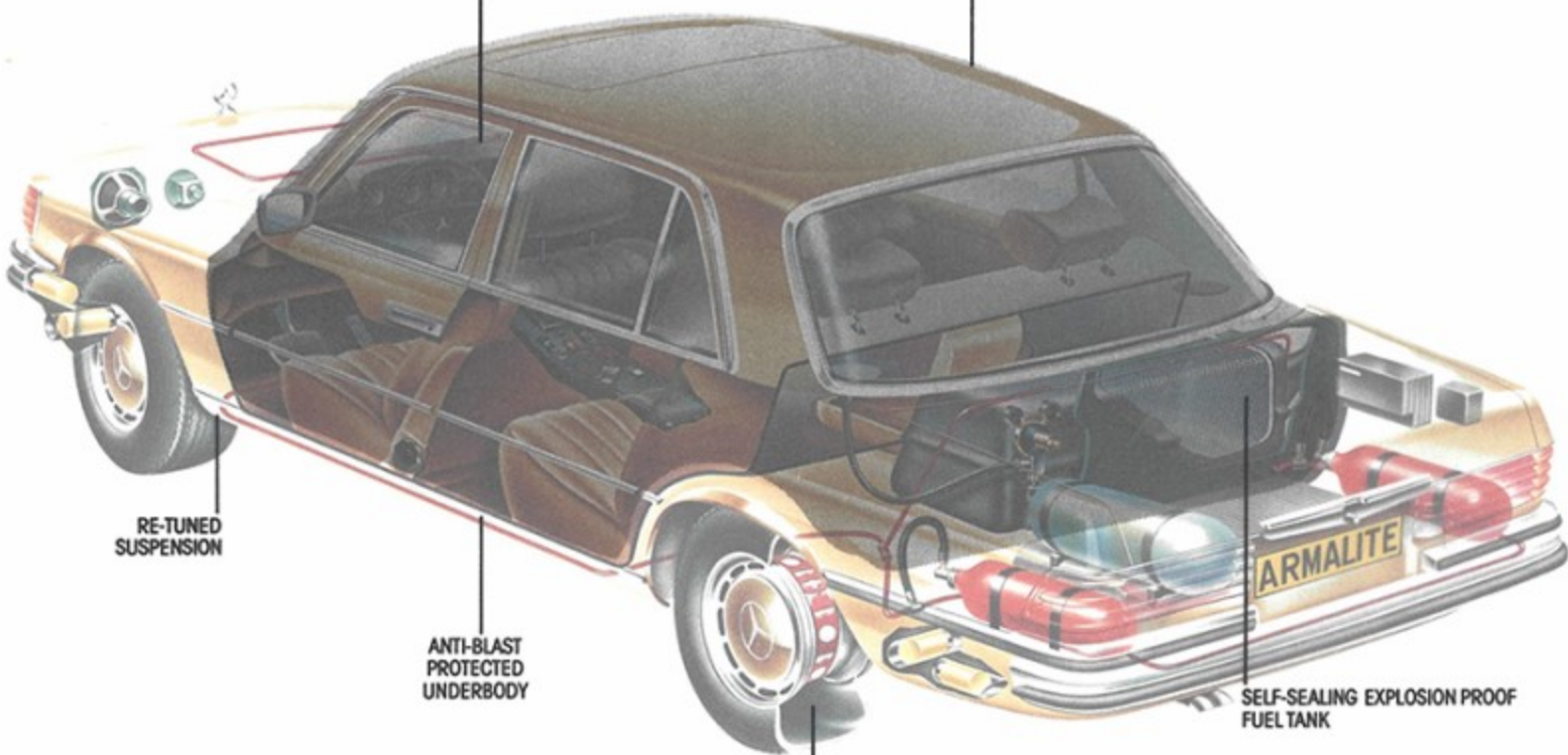
ANTI-BLAST
PROTECTED
UNDERBODY

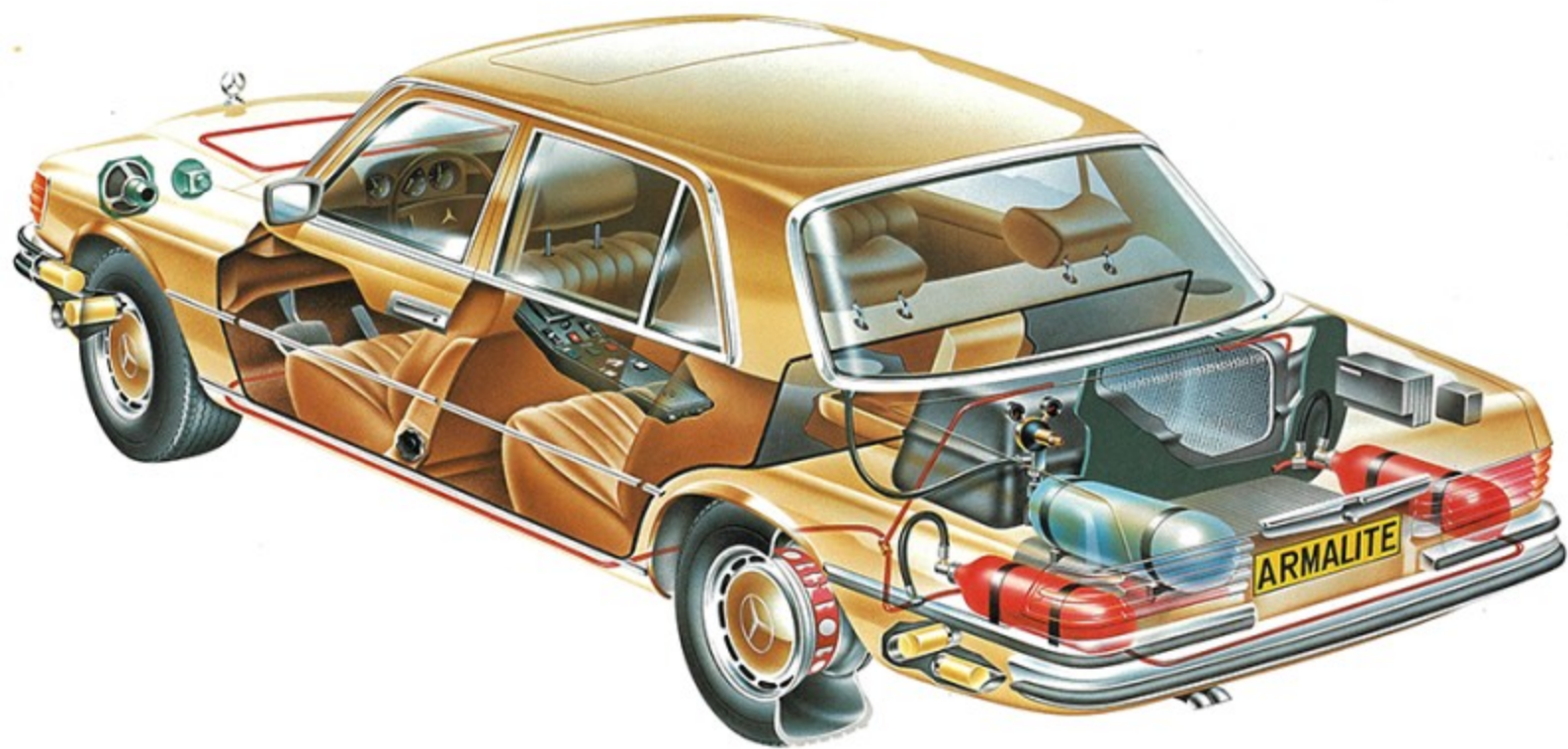
RUN-FLAT
TYRES

SELF-SEALING EXPLOSION PROOF
FUEL TANK

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protection can be provided to meet
individual requirements.





Rapport Armalite world-wide

Rapport Armalite protection can be made available to you throughout the world.

Vehicles, trained drivers and other specialist staff can help in providing a safer environment wherever you are required to travel, and we can provide protection of the highest level to many forms of personal transport.

Our team of specialists can also advise on all aspects of security for you and your family and colleagues.

Recommendations for your protection can be implemented by trained Rapport Armalite staff in a manner which will cause the least possible inconvenience or disruption to your normal routine.

Wherever a threat exists, we can be available to assist with your personal protection and security requirements.





The factories

All Rapport Armalite conversions are designed to meet client requirements and undertaken in our own specially constructed factories.

A detailed analysis of the threat to which you may be exposed is conducted by our security specialists. From this a total protective unit is designed for you and those near to you.

Once the degree of protection and types of auxiliary equipment have been agreed, a programme is scheduled to enable the work to be carried out in the shortest possible time.

The vehicle is stripped to permit modifications to be carried out, and is then rebuilt to

the original standard by a specially assigned team of craftsmen under the close supervision of expert automotive and ballistic engineers, incorporating all the protection and defence facilities.

We match and respray paintwork in our own paintshop to the manufacturer's standard, and the interior is retrimmed and finished with meticulous attention to detail using original manufacturers' materials or better.

Wheels are specially modified to give full manoeuvrability even if the tyres are completely deflated. Vehicles are road-tested by expert test drivers and then re-inspected prior to delivery.



Research and testing

Most of the materials and methods used in our conversions are unique to Rapport Armalite.

Much of the innovative work has been carried out in our own factories, and continual batch testing of all materials on our own firing range ensures consistent performance.

Ballistic testing utilises a full range of weapons and ammunition with emphasis on the types known to be used by terrorists.

Rapport Armalite vehicles have been

independently tested by European security forces and recently our vehicles were subjected to a series of live firing tests in front of a large group of international security experts responsible for the safety and protection of important persons throughout the U.K., Europe, Middle East and other countries. Although attacked from all angles, the vehicles demonstrated totally unimpaired mobility and manoeuvrability after the tests and **no bullet entered the passenger compartment or petrol tank.**

Rapport Armalite Limited is the only company in the field of bullet-resistant vehicle conversions sufficiently confident to subject its product to such exacting tests under real conditions.

Personnel training

Much of the protective capability of Rapport Armalite vehicles is of a passive nature but most are fitted with some active defence systems.

In order to utilise the extensive capability of the vehicle to the full, it is desirable that all drivers should receive training. We offer training covering three major areas:-

1. Operation of the vehicle and its active defence system

Attacks come without warning and it is essential that reactions should be fast and accurate. Selection of the correct course of action can be, quite literally, the difference between life and death.

2. Evasion

Rapport Armalite vehicles are built to provide protection but it is always better to avoid the trouble if possible. Full use of the vehicle's performance and manoeuvrability could reduce the potential for attack. This can be achieved by specialist training.

3. Philosophy of Defence

By an appreciation of the mind and the methods of today's terrorists, it is possible to reduce further the possibility of becoming trapped in an attack situation.

Clearly, it is undesirable to elaborate on these matters in a document of this nature, but we shall be pleased to discuss in confidence the training and vehicle handling with clients.



Personal protection

In addition to manufacturing armoured vehicles, a full range of protection for the individual has been developed for those occasions where the driver or the occupants may have to leave the vehicle. This includes bullet-resistant vests, suits, overcoats, full uniforms, brief cases and other personal equipment.

Associate companies specialise in the manufacture of advanced electronic surveillance, security and communication equipment,

thus enabling Rapport Armalite to offer a fully integrated security system adapted to the specific requirements of the person to be protected. Continuing research keeps us ahead

of the constantly changing threat and our Security Advisory Service is always available to discuss individual security and protection requirements in absolute confidence.





THE ALTERNATIVE TO RAPPORT ARMALITE

Scenes like this have become all too frequent in recent years.

Rapport Armalite can prevent this happening to you and those near to you.

Delay can be fatal.

Take positive action today.


Rapport

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