

RHINO LININGS | INJECTOR PUMP SERVICING | 4X4 MOD KITS OUTDOOR EQUIPMENT

**EXCLUSIVE PARTNER** 



# SHIELD & SECURE: INNOVATIVE COATINGS FOR DEFENSE

Cutting-Edge Protective Solutions for Infrastructure, Vehicles, and Equipment



## About Rhino Linings

#### **Pioneers and Leaders**

Rhino Linings pioneered spray-on bed liners in 1983 and have been leading the industry for almost 40 years. We launched a worldwide industry and have appointed master distributors and sold dealerships in North America, Europe, The Middle East, Africa and Australasia. We introduced the world to a new and unique concept with spray on polyurethane protection.



#### Tested, Tried, and Proven

With a proven track record that has stood the test of time you can be assured that you get nothing but the best. Our coatings are designed to make your assets survive conditions that is tougher than what they were made for. Our products are functional, reliable, and durable. It's specifically designed to maximise the return on our customers' investment.

Our products have found its home in millions of vehicles and other surface protection applications. Customers ask for Rhino Linings by name and they keep returning to our brand time and time again.

#### More than Bed Liners

Right from our humble beginnings as the pioneer of Spray-on Bed Liners, we have grown the possibilities for our product in Industrial, Construction, Oil & Gas, Agricultural, Marine, Military and Mining Applications. Through Continuous R&D we improve and develop formulations to expand these applications, and have become more than just bed liner applicators we are protective coatings solutions providers.

#### **Features of Rhino Linings Coatings**

#### Feature Benefit

**Fast Application Process** 

Hardwearing and Long-Lasting Products

Acts as Sacrificial Layer and reduced maintenance frequency

NVH Reduction, Reduced Slip and Added Impact Protection Available

Guards assets from abrasion and impact

Air- and Watertight bond

Reduced Downtime

Lower Maintenance Costs

Saving in Total Cost of Ownership (TCO)

Improved Health and Safety

Extends Asset Lifespan

Protects assets from corrosion

# What is **Rhino Linings**



Looking for the best protection for your vehicle, trailer, boat in fact almost any other asset – then search no further. Spray-applied in a seamless finish, our lining forms an air-and watertight bond to virtually any substrate.

Rhino Linings is custom sprayed so it fits like a glove! Our automotive coating has been proven to offer industrial grade protection and has even found its way into military, navy and mining applications – some of the most demanding environments you will find!



- Rhino Linings is a spray-on elastomer coating and can be seamlessly applied to virtually any thickness.
- It offers your assets the best protection against corrosion, abrasion, chemical attack, and impact damage.
- Rhino Linings products are spray applied and forms a permanent, air- and watertight bond with your substrate.
- It effectively adheres to almost any substrate including steel, fibreglass, concrete, wood, and aluminium.
- It sets within seconds and is ready for light traffic almost immediately allowing for a much faster turnaround compared to other products.
- It has a textured surface that provides a slip resistant finish reducing cargo slippage and therefore damage to cargo or your vehicle.
- Think of it as an extra skin for your substrate that forms a barrier against wear and tear increasing the life of your asset and the return on your investment.
- Rhino Linings gives a rugged look that is designed to protect for life.





From scorching deserts to blistering tundras, armored military vehicles face some of the most extreme environments in the world. Our advanced protective coatings are designed to safeguard these vehicles and their passengers, ensuring reliability and safety in the harshest conditions.

Our elastomer coatings provide quick and effective protection forming an airtight seal to prevent water damage and harmful chemical interactions. This ensures that military equipment remains in top working condition.

#### Features

- Airtight waterproof sealing
- Corrosion and chemical resistance
- Abrasion and impact resistance
- UV ray resistance (aliphatic versions)
- Shock and vibration absorption
- Superior tensile strength
- Excellent adhesion to multiple surfaces
- Fast, easy spray-on application
- Quick drying
- High temperature resistance
- Superior blast mitigation
- Reliable ballistics protection

- Spray-applied elastomer coatings for critical military and industrial assets.
- Innovative energy-dissipation technology for maximum protection.
- Enhances safety and survivability of military vehicles, structures, and equipment.
- Prevents fuel leakage and minimizes risk of fire in fuel tanks.
- Suitable for transport vehicles, storage tanks, and explosive detonation chambers.
- Mobile, configurable physical barriers for ballistic and blast protection.
- Fire protective coatings for extreme fire events.
- Coating of louver systems for ballistic protection and airflow
- Systems for protecting infrastructure from ballistics, explosions, and fire.

### **Military**

Our spray-on protective coatings offer high-performing, blast-mitigating protection for all types of military vehicles. The advanced chemical formula decreases cabin temperature, reduces corrosion and abrasion, and creates a slip-resistant grip for safe boarding and exiting.

In combat, the most severe injuries and fatalities often result from ballistic fragmentation. Our coatings are engineered to absorb shrapnel and provide unparalleled protection for military equipment, buildings, and personnel. By encapsulating fragments, these coatings prevent secondary damage and can be applied to a variety of surfaces, including aluminum, ceramic, and steel.

Our protective coatings can be used in high-profile Defense Department buildings to safeguard personnel from bomb blasts. Testing shows that these coatings can contain concrete fragmentation and debris, reducing the risk of serious injury during an explosion. These blast- mitigation coatings are also used on ballistic armor to prevent spalling and secondary injuries.

Our coating technology offers groundbreaking blast mitigation. Flexible yet incredibly strong, these coatings enable walls to withstand explosions up to 20 times greater than uncoated walls. In an explosion, elastomer coated walls flex but stay intact, providing vital protection.

Defense vehicles carrying fuel, equipment, and personnel benefit from multiple layers of polyurea protective coatings. Aliphatic polyurea is perfect for exteriors exposed to UV rays, while aromatic polyurea is used for interior applications, such as fuel tank protector, to prevent deterioration and harmful chemical reactions.

Elastomer protective coatings deliver exceptional structural stability, impact resistance, and flexibility. They are ideal for:

- Armoured vehicles
- Buildings and structural walls
- Military equipment made from steel, aluminum, fiberglass, concrete, and wood



#### Applications include:

- Armored vehicles and composite armor
- Fuel trucks and storage tanks.
- Buildings and structural walls
- Explosive detonation chambers, and amunition storage
- High traffic ramps and walkways
- Protective gear, like helmets and body armour



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The information in this brochure about potential applications of polyurethane and polyurea coatings in military and defense industries is for general informational purposes and should be considered indicative only. We strongly recommend conducting your own tests to evaluate the coatings' suitability and performance under your specific conditions and requirements before adoption. We do not guarantee the applicability of the information in all situations or that it will meet your needs without modification. Any applications should be carried out according to Rhino Linings' required technical specifications.