



andvare® VI

DEFENCE INDUSTRIES



**Andvare® VI Svalinn® & Skjoldride®
Defence Armour Solutions**



DEPENDABLE - RELIABLE - EXCEPTIONAL

Andvare® VI Defence Industries specialises in the development of cutting-edge, ballistic armour for personnel and vehicles.

At the forefront of safeguarding lives and protecting assets with advanced technology, our team leverages the latest research and materials to design and manufacture armour solutions that offer unparalleled durability and protection.

Backed by our long history of engineering innovation, Andvare® VI ensures every product not only meets but exceeds defence industry standards, providing our clients with the utmost confidence in their security from all angles.



Quality & Accreditations

- 100% Australian owned.
- 100% Australian developed and engineered.
- Engineered and designed beyond AS, BS and EN standards.
- STANAG 4569 – AEP-55 testing compliant up to and including NSA Level IV.
- NIJ 0101.07 compliant, including multi hit HG1, HG2, RF1, RF2 and RF3 products.

Andvare® VI Armour Solutions

Introducing Andvare® VI Defence Industries core range of armour solutions designed to be customisable to each client's individual requirements.



Svalinn® Dual Hardness Armour Medium to Heavy Gauge

- NATO STANAG AEP-55 Level 4
- VPAM PM14
- GOST R 50744-95 BR6



Svalinn® Rifle Rated Body Armour Freyja FSAPI & Heimdallr ESAPI

- NIJ 0101.07 up to RF2
- VPAM up to PM9



Skjoldride® Light Vehicle & ATV Armour

- NIJ 0101.07 HG2 up to RF1
- VPAM PM4 up to PM7



Skjoldride® Soft HG2 Armour Tyr Flexible

- NIJ 0101.07 up HG2
- VPAM PM5

Andvare® Svalinn® Armour Systems



Svalinn® Dual Hardness Armour Medium to Heavy Guage

Andvare® V1 Svalinn® Dual Hardness, Medium to Heavy Armour Systems provide ultimate ballistic protection against practically all known threats and fulfil all the requirements of the modern military.

Weldable, formable and most importantly, repairable, Svalinn® Dual Hardness Armour is used in all medium to heavy armour applications from main battle tanks and armour plating of fighting vehicles to VIP principal protection vehicles.

Svalinn® heavy armour provides exceptional protection against kinetic energy, blast and artillery threats.

Testing / Results

- Heavy armour tested to withstand close range .50 M² AP and 14.5x114 B32 API.
- Medium armour tested to withstand close range .338 Lapua Magnum Ball & AP, 7.62x51 M118LR & M993 and 7.62x54R B32 API.
- Heavy armour artillery threat protection against 20mm FSP at close range successful.

- Medium armour has a significant mass efficiency when compared with RHA, yielding results between 1.8 and 2.2, depending on the threat introduced.
- Medium armour .50 M² AP testing in progress, successful against .50 F1 ball.
- Blast threat testing in process for heavy armour.

Specifications

- STANAG 4569 Level 4 KE & Level 3 Artillery, NIJ 0108.01 Level 4, CEN Level B7, NIJ 0101.06 Level 4, VPAM PM14, GOST BR6.
- Heavy Armour Systems - >45kg/m².
- Medium Armour Systems - 35kg/m²-45kg/m².



Svalinn® Rifle Rated Body Armour Freyja FSAPI & Heimdallr ESAPI

Svalinn® Rifle Rated Body Armour, composed of the Freyja and Heimdallr systems, is the first truly ergonomic body armor designed for optimal fit. The 1000DN Nylon cover ensures durability and ruggedness, while the armor remains fully functional, even after being immersed in water. Its UV resistant properties further enhance its longevity and operational effectiveness.

The Freyja FSAPI features a unique, fully-customisable, body-hugging design for enhanced comfort and protection and provides an innovative strike face to prevent spalling on impact.

The lightweight, ergonomic design that fits comfortably into most third-party plate carriers and provides full edge-to-edge protection, including backpack armor solutions rated for rifle threats.

The multilayered threat disruption system reduces shock impact, while the strike face promotes shear plug failure, decelerating projectiles and preventing hydrodynamic transition. An incorporated ceramic core adds stiffness to the composite matrix, enabling the armor to defeat higher designation rounds.

Testing / Results

- Heavy armour tested to withstand close range .50 M² AP and 14.5x114 B32 API.

Specifications

- NIJ 0101.07 Level RF1.



Andvare® Skjoldride® Armour Systems

Skjoldride® Light Vehicle & ATV Armour Systems

Andvare® VI Skjoldride® LV & ATV Armour Systems have been developed specifically for increasing the armour rating of thin-skinned vehicles without the need for invasive, wholesale structural or component change, or substantial mechanical modifications to the target vehicle.

Skjoldride® is able to be manufactured with complex, compound contours, enabling practically like-for-like replacement of vehicle panels, maintaining the appearance of the base vehicle. The system can be applied to any vehicle (including armoured vehicles) to improve the protection level or weak points, particularly welded seams and door sills.

The Skjoldride® LV solution can yield significant protection improvements for thin skinned vehicles, increasing the armour protection from sub NIJ 0108.01 Level I to Level IIIA and even to Level III* without significant increase in vehicle tare.

Skjoldride® light armour possesses substantial advantages over traditional Q&T steel (AR) plate, ceramic, polymer and combination armour. It is less than half the weight of AR plate, possesses multi-hit protection against threats up to and including VPAM 2009 VR8 (higher protection levels available on request), all without the back face deformation normally experienced in ceramic faced armour.

Testing / Results

Specifications

- Up to STANAG 4569 – AEP 55 Level 3, NSA Level I, CEN Level B5, NIJ 0108.01 Level III, VPAM PM7, NIJ 0101.06 Level III/VPAM PM4 up to PM7.
- LV Armour Systems – 25-45kg/m².
- ATV Armour Systems – <30kg/m².

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Skjoldride® Soft HG2 Armour Systems

Skjoldride® Tyr Flexible Soft Armour is designed specifically for personal defence armour and has excellent thermal dissipation characteristics, keeping the wearer cooler than comparative systems.

The armour can be manufactured to virtually any profile using high-end, in-house software and manufacturing capabilities. Andvare® VI has developed a unique, personalised service capability to enable the production of bespoke armour panels or personalised armour plates.

Any simple photogrammetry image can be used to generate a set of personalised, close-fitting armour plates or ATV body panel like-for-like replacement armour.





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For more information please contact:

Justin Willis

+61 413 185 119

defence@andvaregroup.com

andvarevi.com

Andvare® VI Pty Ltd

ABN 14 630 397 303