DOOMAX™ VRF

Crash Rated Fence System

Tested to ISO 22343-1:2023 and ASTM F2656/F2656M



DOOGOOD™
Australia

DoogoodAustralia.com.au

Australia's First Crash-Rated Fence

Innovation • Strength • Protection

DOOMAX™ VRF

PRODUCT OVERVIEW

The DooMAX™ VRF by Doogood Australia stands as the nation's first locally designed, manufactured, and crash-tested fence system which has been proudly engineered to safeguard what matters most. Developed in collaboration with Deakin University and validated through advanced simulations and real-world crash testing in Germany in July 2025, DooMAX™ delivers top-tier protection for Australia's critical infrastructure.

DEAKIN UNIVERSITY

We developed DooMAX™ to address a significant gap in the Australian market: the absence of a homegrown, crash tested fence. Historically, reliance on overseas suppliers led to extended lead times and limited adaptability to local conditions. With the demand for hostile vehicle mitigation (HVM) solutions escalating in Australia, which has been driven by the rapid expansion of data centres, correctional facilities, transport hubs, and government sites, there was a pressing need for a domestically produced, certified solution.

Australia's data centre sector exemplifies this surge in demand. The market is projected to grow at a compound annual growth rate (CAGR) of 6.30%, reaching USD 11.73 billion by 2034. This growth is fueled by advancements in cloud computing, artificial intelligence, and the proliferation of internet-connected devices. Notably, Amazon Web Services (AWS) has announced a $20 billion investment to expand data centres in Sydney and Melbourne between 2025 and 2029, aiming to bolster cloud and AI capabilities.

By introducing DooMAX™, Doogood Australia offers a timely, reliable, and locally supported solution that not only reduces lead times but also strengthens national supply chain resilience. Designed specifically for Australian conditions, DooMAX™ ensures that our critical infrastructure is protected by a product that embodies local innovation and commitment to security.

HOSTILE VEHICLE MITIGATION (HVM)

Certified to ISO 22343-1:2023 (PAS68) and ASTM F2656/F2656M standards, the DooMAX™ VRF defends against high-speed vehicle threats. With patent-pending components and concealed fixings, it sets a new benchmark for integrated perimeter security.

APPLICATIONS

- Data Centres
- Correctional Facilities
- Train Stations
- Government Projects
- Airports
- Substations
- Industrial Estates
- HVM-Controlled Zones
- Defence Force Facilities

KEY FEATURES & BENEFITS



- Certified to ISO 22343-1:2023 (PAS68) and ASTM F2656/F2656M
- Concealed Fixings for tamper resistance
- Patent-Pending Design using Australian-made steel, with a tamper proof design system
- Powder-Coated Warranty System (E-Coat / Metaplex)
- Fast Install with custom-engineered inground system
- Compatible with Gates & Bollards
- Rakeable & Corner Adaptable

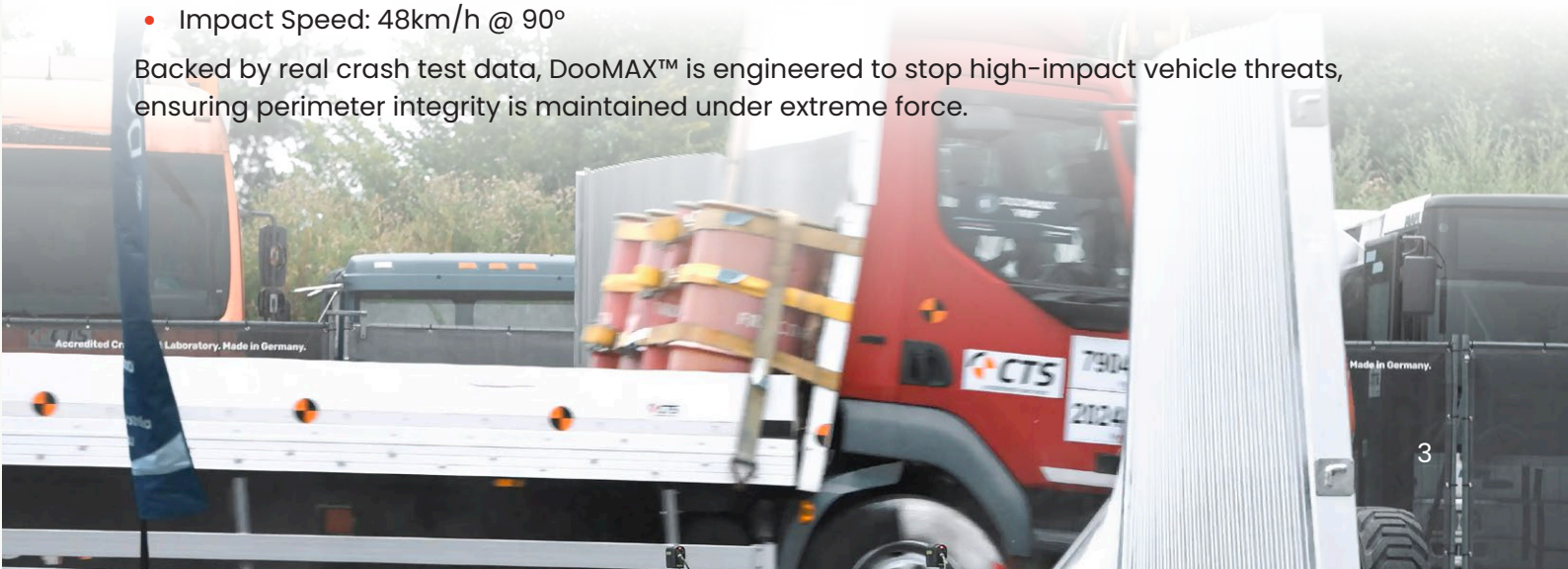
Benefit	DOOMAX™ VRF	Other Fencing Systems
Steel Grade	Australian Made	Often Low-Grade/Imported
Coating	15-Year Warranty System	3–5 Year Generic Coating
Fixings	Concealed	Exposed/Accessible
Deflection Rating	Passed	Not Tested
Installation Time	Speedy and Streamlined	Time-Consuming
Lead Times	Stock Available	Long Waits
One-Stop Solution	Fence, Gates & Bollards	Fragmented Supply Chain
Certified Installers	Yes	Open to Public
Crash Testing	Vehicle Tested & Simulated	Often Simulated Only

CRASH CERTIFICATION & TESTING

Crash Performance & Standards:

- Tested to: ASTM F2656/F2656M-23 and ISO 22343-1:2023
- Classification: C730 / N3C
- Test Vehicle Mass: 7200kg
- Impact Speed: 48km/h @ 90°

Backed by real crash test data, DooMAX™ is engineered to stop high-impact vehicle threats, ensuring perimeter integrity is maintained under extreme force.



STANDARDS

Component	Standard	Grade
RHS Posts	AS/NZS 1163	350 LO
Angles/Rails	AS/NZS 3679.1	300 MPa
Pales	AS/NZS 3678	250 MPa
Fasteners	AS 1111 & AS 1214	Grade 8.8

All steel components are hot dip galvanised to AS/NZS 4680 with ≥85µm protection. Surface prep includes abrasive blasting to AS 1627.4 standards, finished with our Metaplex™ coating system / or E-Coat System, offering superior corrosion resistance and durability.



INSTALLATION & WARRANTY

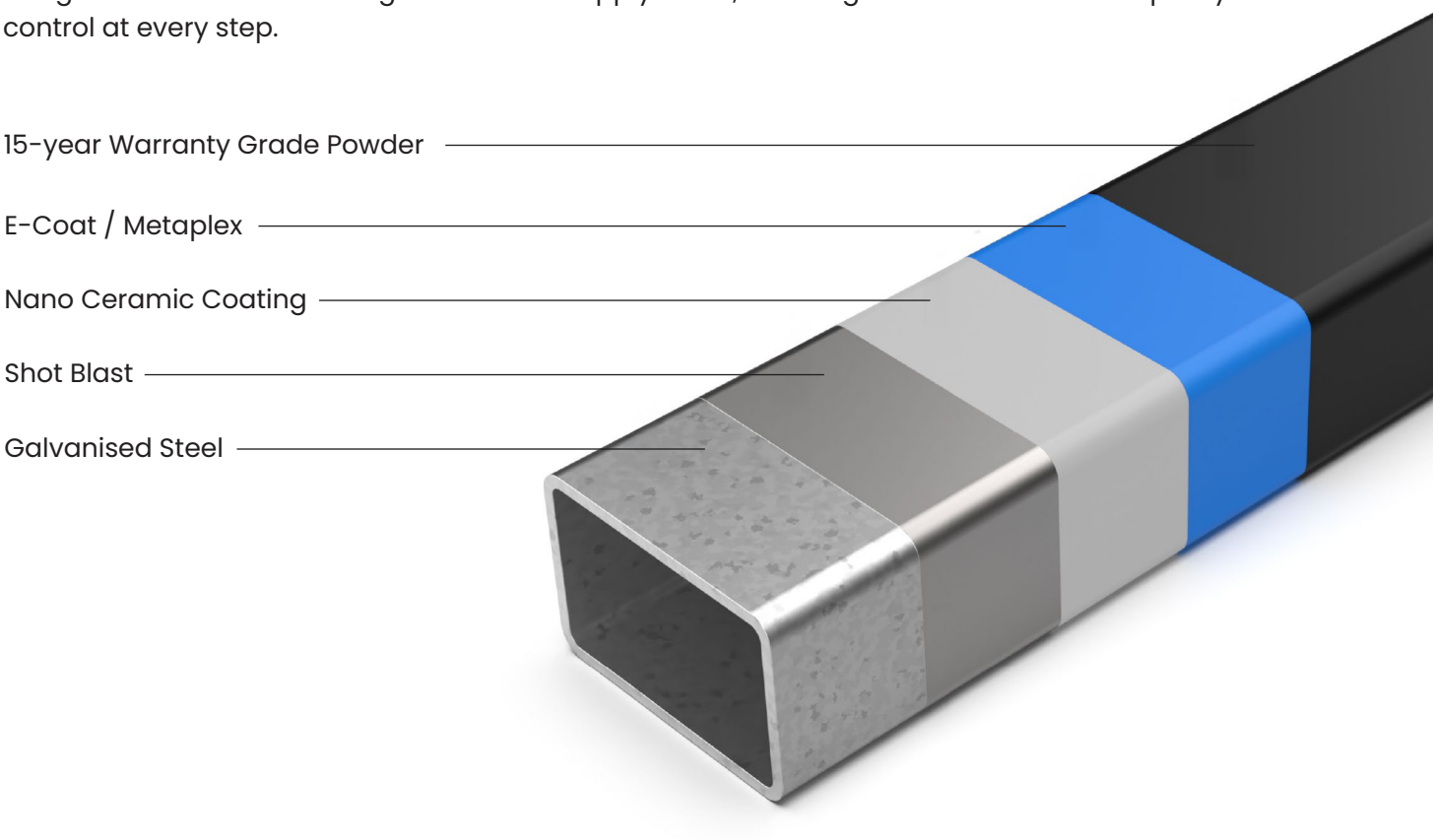
Certified Install Teams Only

To maintain crash integrity and warranty, installation must be completed by a certified Doogood installer trained in the DooMAX™ VRF system.

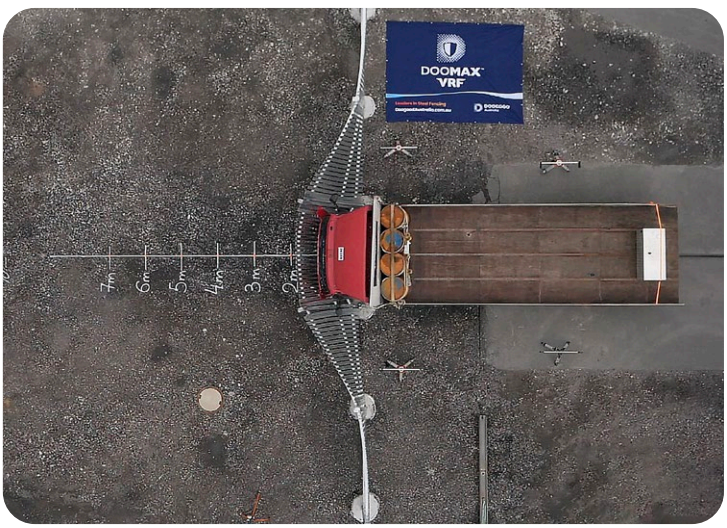
15-Year Warranty Coverage Includes:

- Coating (E-Coat / Metaplex)
- Structural Integrity
- Australian Manufacturing Compliance
- Full Compliance with Australian & International Standards

Doogood's local team manages the entire supply chain, ensuring fast turnaround and quality control at every step.










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HVM CRASH RATED GATES

Need a certified HVM crash-rated gate or a high security fencing solution?

Doogood specialises in manufacturing heavy-duty, crash-rated gates designed for high vehicle mitigation (HVM) applications.

Working closely with an internationally certified crash-testing partner, we deliver market-leading HVM gate systems tested to meet stringent global standards, including ISO22343-1:2023 (PAS 68), IWA 14, and ASTM F2656.

With extensive in-house capabilities — including cutting, bending, folding, welding, and powder coating — we produce fully certified HVM solutions engineered for high performance and reliability.

Our advanced steel fabrication facility allows for high-volume output while also supporting bespoke HVM gate designs — all with fast lead times. From CAD design and compliance support to material traceability and Australia-wide delivery, we offer an end-to-end service that ensures both speed and quality.

By managing every step of the process in-house, we guarantee that every HVM gate meets or exceeds the highest standards in crash protection and manufacturing excellence.

DOOMAX™

CERTIFIED INSTALLERS AND INSPECTIONS

To ensure the integrity and performance of every HVM system we supply, Doogood is launching the DooMAX™ Certified Installer program — operated directly from our Melbourne manufacturing facility. This initiative guarantees that all DooMAX™ VRF fencing and gates are installed to the highest standard by professionals who have completed a detailed training and assessment process.

Each certified installer will follow a structured installation protocol, supported by a comprehensive inspection register that can be shared with clients and end users for full transparency. This ensures every project is delivered in line with our strict specifications and performance requirements.

We take immense pride in the quality of our products — and we're equally committed to ensuring they are installed by a trusted, highly skilled team that shares our dedication to safety, compliance, and customer satisfaction.

DOOGOOD™
Australia

Leaders in Steel Fencing

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