

Tensonet Hail Net Protection Canopy

Protect Your Fleet With MakMax HNPC

If your business requires vehicle protection hail net, the MakMax Tensonet HNPC (Hail Net Protective Canopy) System can provide a robust and economical hail risk-reduction solution for customers within the automotive and logistics industries.

Originally developed for the agricultural market, MakMax engineers have adapted and improved the Tensonet HNPC system to create large, simple designs which are specifically intended for use as vehicle hail protection structures.

Our cantilevered column design means there are no guy cables or back-stays are required, allowing our clients to maximise the coverage to their sites by placing perimeter columns immediately adjacent to site boundaries. The cable grid system allows for large spans and a relatively simple installation process, ensuring speedy installation and minimal site disruption.

Design. Engineer. Fabricate. Install.

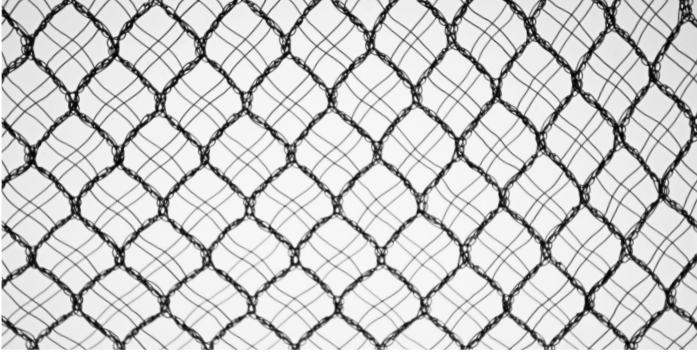


MakMax TensoNet Hail Net Protection Canopies

FABRIC OPTIONS

Built specifically to protect your fleet from the worst weather nature can throw at it, MakMax Hail Net Protection Canopies are made with the highest-quality materials. We offer two fabric options;

QUAD NET

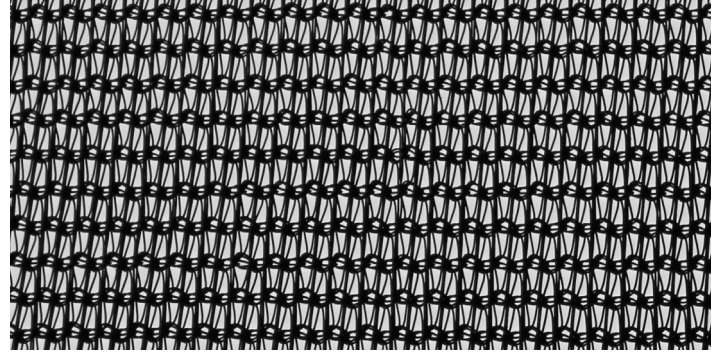


- » Produced from HDPE filament
- » Supplied in bales to a specific width and length
- » Manufactured in several SE Asian countries and distributed locally by multiple suppliers
- » Can be purchased ex-stock or MTO
- » Various apertures – 12mm is preferred
- » Black and white available
- » 10 Year Warranty (UV)

ADVANTAGES OF QUAD NET

- » Provides adequate protection against hail
- » Lower initial cost to client
- » Low purchase cost – approx 80c / m²
- » No assembly required
- » Simplified installation process
- » Easily removed and replaced

HFPE MESH (SHADE CLOTH)



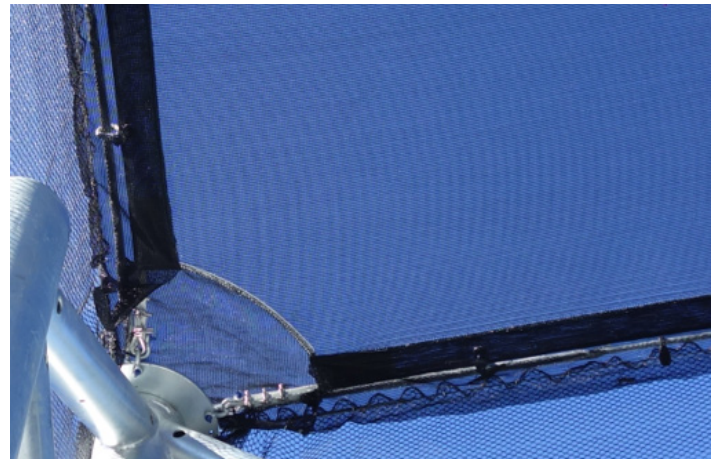
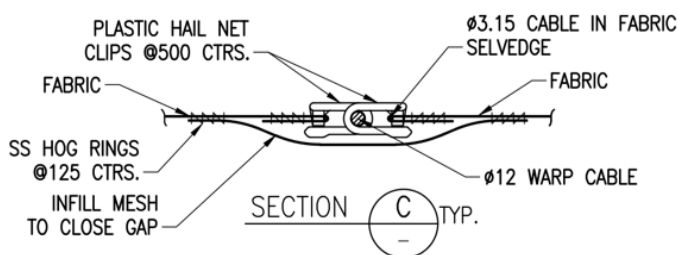
- » Produced from HDPE filaments and tapes
- » Supplied in rolls to standard widths and lengths
- » Manufactured in several Asian countries and distributed locally by multiple suppliers
- » Can be purchased ex-stock or MTO
- » Various types and shade factors are available
- » Range of colours are available
- » 10 Year Warranty (UV)

ADVANTAGES OF HFPE MESH (SHADE CLOTH)

- » Provides shade as well as hail protection
- » Fully engineered panels
- » Subject to in-house QC
- » Can be fabricated to any width, length, and shape
- » Reasonable stock levels are held by local distributors
- » Lower ongoing cost to client

MAKMAX ZERO GAP INTERFACES

Using a unique Zero Gap Interface system on all corners and membrane section connections ensures that there are no potential points of entry for damaging hail.



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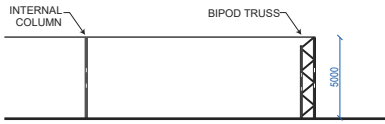


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STRUCTURE PROFILES

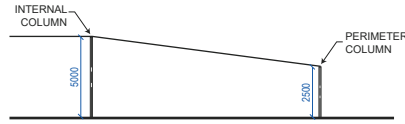
Our engineering team have developed a range of edge profiles to meet a variety of requirements.

FLAT ROOF



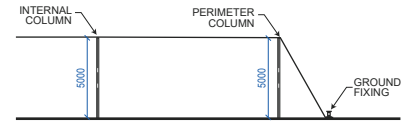
- » Usually range from 3m to 5m UCC
- » Provides consistent clearance throughout
- » 5m structures for high vehicles

DROPPED SIDES



- » Internal clearance usually 5m
- » Perimeter clearance usually 2.5 or 3m
- » Allows for smaller footings and perimeter columns

GUYED



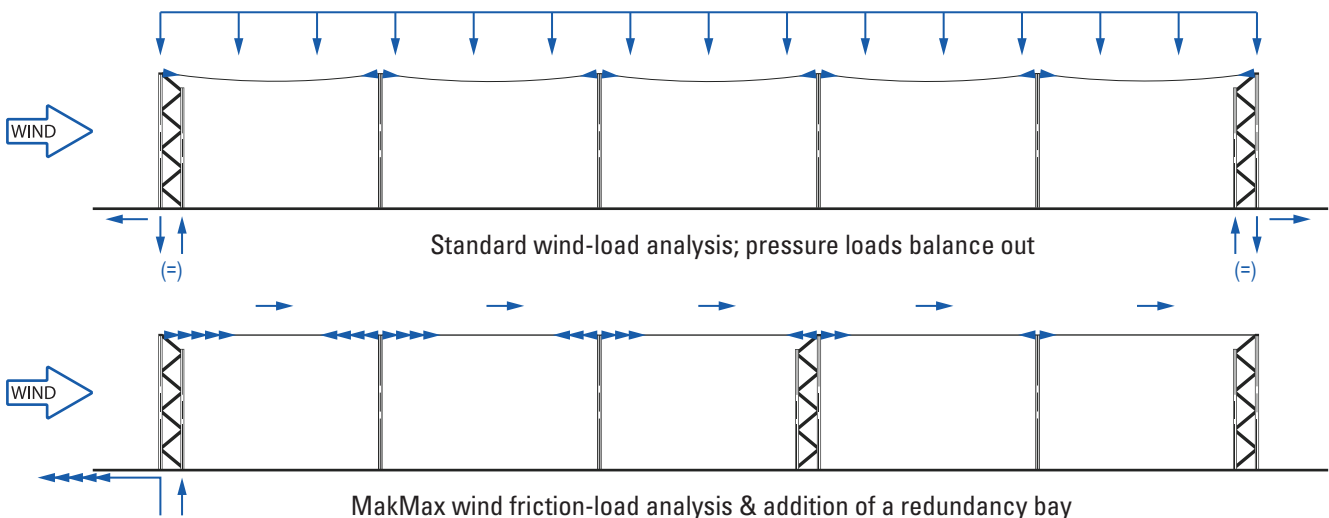
- » Internal clearance usually 3m – 5m
- » Allows for smaller footings and perimeter columns
- » Requires more space for perimeter

REDUNDANCY BAYS

In structures of significant length (such as large-span hail net canopies), failure can occur due to accumulated surface friction wind loads, particularly during severe weather events. The MakMax Australia Hail Net Protective Canopy system incorporates additional wind friction-load analysis as part of the design and engineering phase. Points of potential failure are addressed through the use of Redundancy Bays.

Hail net canopies typically rely on lightweight steel posts to support the internal area of the canopy. While these lightweight posts are adequate for supporting the vertical loads imposed on the structure, they do not provide resistance to lateral loading, and in particular, accumulated surface friction loads. The MakMax Australia Redundancy Bays arrest these accumulated loads before they become excessive by introducing heavier truss-style columns to the structure at regular intervals.

MakMax Australia recommends the use of Redundancy Bays in all large hail net protective canopies.



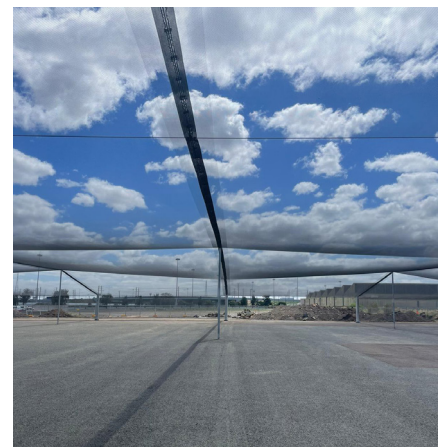
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MAKMAX HNPC'S CAN RANGE FROM 1,000 TO 100,000 SQM COVERAGE

HAIL PROTECTION FOR

- » Vehicle Storage & Auction Yards
- » Auto Dealers & Car Rental Companies
- » Long-Term Airport Parking
- » Building & Construction Companies
- » 3rd Party Logistics Companies (3PL)
- » Original Equipment Manufactures (OEM)



For more details, visit www.makmax.com.au/tensonet-hail-net-protection-canopy/

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MakMax Australia

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