

MEMBRANE & COATING SYSTEMS

Tensile Membrane Architecture & Protective Steel Systems

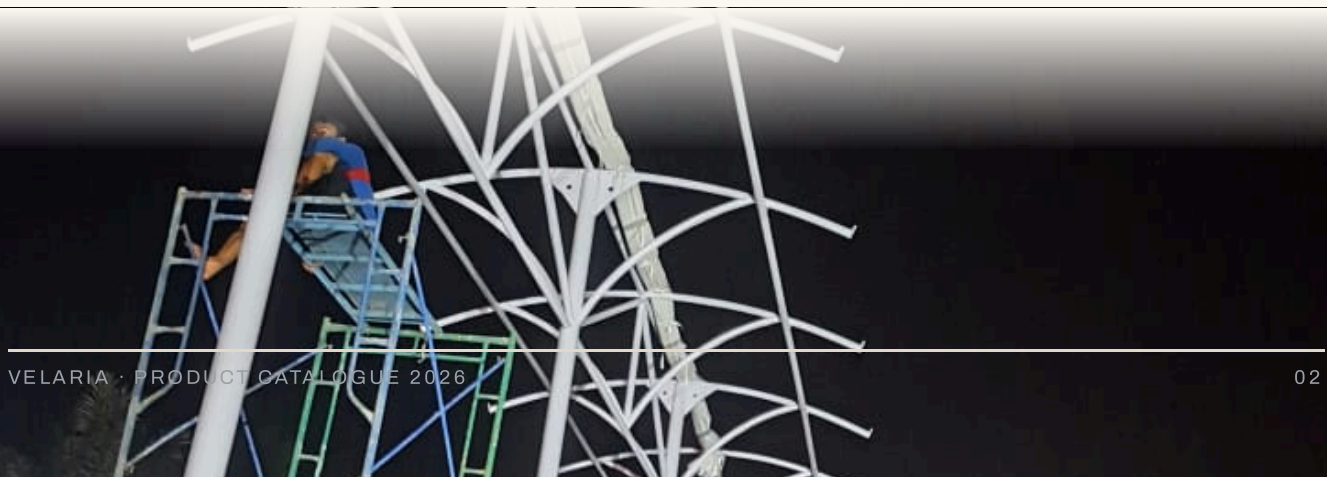
Engineered skins that span the impossible — and the coatings that keep the steel beneath them alive for decades.

— THE DISCIPLINE

Two materials, one obsession. A membrane that turns *tension into shelter* — and a coating that turns *steel into something permanent*.

<p>Laiwu, Shandong</p> <p>DESIGNED & MANUFACTURED</p>	<p>FOB · Worldwide</p> <p>DELIVERY TERMS</p>	<p>-5%</p> <p>CATALOGUE VS LIST PRICE</p>
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EXCEL ITEM · 1 FEATURED PRODUCT

PVDF · MEMBRANE CANOPY STRUCTURE

PVDF Tensile Membrane Structure



PVDF membrane-material canopy structure, supplied with standard connecting-tube parts and a full accessory set. The PVDF surface is self-cleaning and UV-stable; the fabric is pre-stressed over steel and cable to span generous, column-free areas with a fraction of the material — translucent by day, luminous by night.

SPECIFICATION

PANEL SIZE	≈ 5300 × 5100 × 50 mm
MEMBRANE	PVDF-finished, self-cleaning, weldable
CONNECTING PARTS	Standard connecting tubes + accessories
STANDARD	ISO 9001:2000
ORIGIN	China
UNIT OF MEASURE	m ²

CATALOGUE PRICE · PER M²

~~\$54.00 list~~

\$51.30 / m²

- 5% OFF LIST

Example order (Contract 46-K)

6,528 m² → \$334,886.40

DELIVERY · **FOB CHINA**
WORLDWIDE

EXCEL ITEM · 2 FEATURED PRODUCT

ZINC-RICH EPOXY · Q235 STEEL

Zinc-Rich Epoxy Primer — Q235



Two-component, zinc-filled epoxy primer for Q235 structural carbon steel, supplied with accessories. The high zinc-dust content gives sacrificial cathodic protection — corroding in place of the steel — making it the durable foundation of a long-life protective coating system in severe environments.

SPECIFICATION

TYPE	2-component zinc-rich epoxy primer
SUBSTRATE	Q235 structural carbon steel
PROTECTION	Cathodic/ sacrificial
CORROSIVITY	ISO 12944 — up to C5 / CX
ZINC	ASTM D520 zinc dust · incl. accessories
STANDARD / ORIGIN	ISO 9001:2000 · China
UNIT OF MEASURE	tonne

CATALOGUE PRICE · PER TONNE

~~\$5,400.00 list~~

\$5,130.00 /t

- 5% OFF LIST

Example order (Contract 46-K)
63.98 t → \$328,217.40

DELIVERY · **FOB CHINA**
 WORLDWIDE

— A — MEMBRANE & TENSILE SYSTEMS

Skins that span.



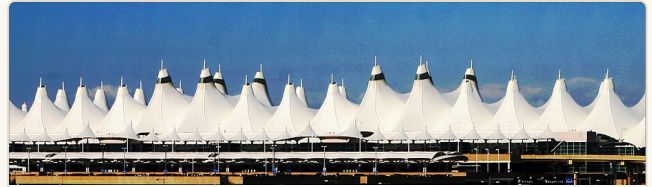
PVC / PES

PVC-Coated Polyester

The workhorse membrane — Types I-V, translucent, high weld strength and excellent value across canopies and shade.

Types I-V Weldable

[POA · REQUEST QUOTE](#)



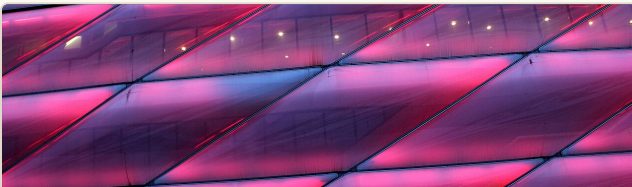
PTFE / GLASS

PTFE-Coated Fibreglass

The premium tier for stadiums and airports — fire-resistant, self-cleaning, with a service life beyond 30 years.

30+ yr life Fire-resistant

[POA · REQUEST QUOTE](#)



ETFE

ETFE Foil & Cushions

Single-layer skins and inflated cushions — roughly 1% the weight of glass, with very high light transmission.

~1% glass weight Cushions

[POA · REQUEST QUOTE](#)



FAÇADE

Tensioned Mesh Façades

Secondary skins that transform existing structures — printable, perforated and LED-integratable for night identity.

Printable LED-ready

[POA · REQUEST QUOTE](#)



HARDWARE

Connection Systems

Standard connecting tubes, edge cables, clamping plates, masts and stainless fittings — the kit that makes a membrane stand.

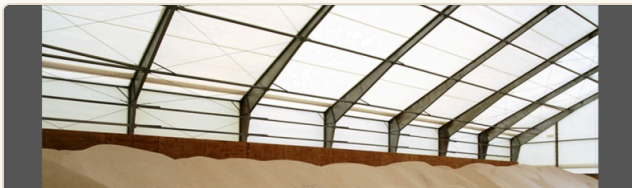
Cables Clamps Masts Fittings

[POA · REQUEST QUOTE](#)

Membrane selection is matched to climate, span and fire requirements at quotation. PVDF (Excel item 1, p.03) is our standard architectural membrane; PTFE and ETFE are specified for long-span and high-transparency projects.

— B — PROTECTIVE COATING SYSTEMS

Armour for steel.



INTERMEDIATE

Epoxy Mastic Barrier

High-build, surface-tolerant intermediate coat that adds barrier protection over the zinc primer.

- High-build
- Surface-tolerant

[POA · REQUEST QUOTE](#)



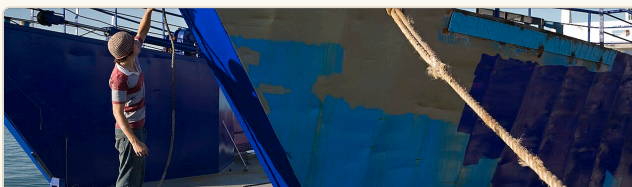
TOPCOAT

PU & Acrylic Topcoats

UV-stable polyurethane and acrylic finishes for lasting colour and gloss retention outdoors.

- UV-stable
- Colour match

[POA · REQUEST QUOTE](#)



FIRE

Intumescent Fire Protection

Thin-film passive fire coatings that protect structural steel while keeping profiles clean.

- Passive FR
- Thin-film

[POA · REQUEST QUOTE](#)



ANCILLARIES

Thinners & Accessories

System solvents, surface-prep media and application ancillaries — matched to each coating line.

- Solvents
- Prep

[POA · REQUEST QUOTE](#)

A complete system is typically: zinc-rich epoxy primer (Excel item 2, p.04) → epoxy mastic intermediate → UV-stable topcoat, specified to the ISO 12944 corrosivity class of the site. Fire and ancillary products are added as required.

— FROM FORM TO LIFETIME

One team, end to end.

<p>01</p> <p>Form-finding</p> <p>Shape and pre-stress resolved digitally first.</p>	<p>02</p> <p>Engineering</p> <p>Loads, patterning and steel detailing to code.</p>	<p>03</p> <p>Fabrication</p> <p>HF-welded membranes; blast-cleaned, primed steel.</p>	<p>04</p> <p>Installation</p> <p>Tensioning and assembly by specialist crews.</p>	<p>05</p> <p>Lifecycle</p> <p>Inspection, recoating and re-membrane.</p>
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— HOW TO ORDER

- 1 Enquire**

Send drawings, area/tonnage and location.

- 2 Spec & quote**

Indicative scope and budget within two business days.

- 3 Confirm & dispatch**

Manufacture and FOB China dispatch, worldwide.

— STANDARDS

<p>ISO 9001:2000</p>	<p>Quality management</p>
<p>ISO 12944</p>	<p>C5–CX corrosion classes</p>
<p>ASTM D520</p>	<p>Zinc dust</p>
<p>FOB China</p>	<p>Worldwide delivery</p>

Example project total — both featured items per Contract 46-K, at catalogue (–5%) pricing:

\$663,103.80

VELARIA

Tensile membrane architecture and the protective steel systems that hold it up — engineered, fabricated and delivered complete.