

DELTA COVER

SCHEDA TECNICA COPERTURE IN PRFV ***Technical data sheet of GPR Covers***

Truss covers for large tanks

(Ex: accumulation tanks, stabilization, equalization, etc.)

Fiberglass covers, also known as GRP (glass-fibre reinforced plastic), has interesting properties because it combines an exceptional resistance to corrosive agents in aqueous solution with lightness, excellent characteristics of mechanical strength, resistance to shocks, mold, microorganisms, agents chemical and atmospheric.

We use cutting-edge technologies, which allow us to design and build innovative **self-supporting sloping roofs for large tanks** without intermediate supports.

Thanks to our system, which is completely mountable and removable from the outside, Delta Cover is capable of laying even with full tanks.

Truss roofs are walkable and resistant to snow and wind loads.

Each truss is formed by two rectangular modules, flanged on top and connected by a tie-beam to the base that cancels the lateral thrust on the supports. Each truss is equipped with threaded connections for lifting and can be removed individually from the tank without having to dismantle the adjacent ones. It is possible to make inspection hatches, flanged outlets, breathing valves and other accessories.

Internal width of the tank	From 12.70 to 23.40 mt
Silhouette of the module	Rectangular to convex profile
Threaded connections for lifting	No. 4/panel - M12 60x60x4 mm - S.S. 304
Coupling flange	Flange width 15 cm - M12 threaded plates 60x60x4 mm - S.S. 304 inside the GRP, one every 60 cm approx. - Holes diam.38 mm
Intermediate seal between the modules	EPDM seal 50x5 mm to closed-cell
Fasteners	S.S. 316
Perimeter footprint	> 20 cm
Average weight	22 kg/m ²
Tie-beam at the base of the truss	S.S. 304
Slope	14%
Coupling flange on the ridge	Inner side – 25 cm

The data refer to standard coverage. We create tailor-made solutions based on customer needs.

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Coverage modules construction

EXTERNAL LAYER (SMOOTH)	Isophthalic-neopentyl gelcoat to UV rays' resistance
EXTERNAL COLOR	Customer's choice - Available in all RAL colours
STRATIFICATION	Composite and Chopped strand MAT and Orthophtalic polyester resin
INNER LAYER	Vinylester resin against corrosion