

DELTA COVER

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

Covers for circular tanks with revolving bridges **(Ex: sedimentation tanks, clarifiers, etc.)**

The fiberglass roofing, 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.

Our vast experience in this sector allows us to design and build self-supporting covers for circular tanks with revolving bridge, thus limiting the seal of the gases that form inside the tanks.

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

The covers are walkable and resistant to snow and wind loads.
The roof is made up of modular trapezoidal tiles with a conical vault supported by two central grouping half-rings fixed to the existing revolving bridge.

Each module is equipped with:

- 2 wheels for peripheral sliding
- circumferential gas confinement by means of rigid nylon strip or GRP siphon system.
- windproof system (where possible)

Each module can be removed individually from the tank, without having to dismantle the adjacent pieces. It is possible to make inspection hatches and breathing valves.

Internal diameter of the tank	Up to 32.70 mt
Silhouette of the module	Convex trapezoidal (conical vault)
Threaded connections for lifting	No. 2/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 approxim. every 60 cm Holes diam.38 mm
Intermediate seal between the modules	EPDM seal 50x5 mm to closed-cell
Fasteners	S.S. 316
Perimeter footprint	Variable
Average weight	25 kg/m ²
Central support ring	GRP and stainless steel AISI 304 or 316)

Data refer to standard coverages. We create customized 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 Orthophthalic polyester resin
INNER LAYER	Vinylester resin against corrosion