

# Construction components of Green Team steel storage tanks

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Our steel storage tanks are unique combination of quality, durability and mechanical strength. Specification of high grade steel of Green Team storage tanks:

- Compliance with S550GD+Z600-MAE quality standard
- Yield strength S550 means min. 550 MPa
- Galvanized doubleside Z600 means 600 g/m<sup>2</sup>

Steel plates are always **galvanized on both sides**, and it's possibility of additional coating to protect them from the outside by Solano layer (green) and the paint from the inside. Bolts, special nuts and washers - needed to mount the tank - are of excellent quality. They are **galvanized by many thick layers**, zinc thickness is from 12 to 18 microns. The strength of our bolts, washers and nuts in the salt spray test is **from 200 to 400 hours**, while the standard zinc gives resistance from only from 20 to 40 hours. The bolt has an **unthreaded part** which has a diameter of 9 mm (thread 8 mm) so that the shear strength is comparable to the bolt **M11**. Our bolts of smaller diameter provide the smaller holes in the plates and we get improved and increased strength of steel plates.

Our tanks are available in many diameters and heights which let reach capacity **from 5 m<sup>3</sup> to even 3 143 m<sup>3</sup>** in a typical solution (it's possible to produce custom tanks in any sizes). For each tank size appropriate thickness of the sheets is selected. Exact size and capacity table is in the data sheet of storage tanks.

Plates come properly packaged, arranged in order of assembly and secured for transport. Installation is performed easily using simple tools.

## Advantages of containers:

- High stability and mechanical strength of the plates
- Quick and easy installation
- Reusability (disassembly and assembly elsewhere)
- Zero maintenance costs of tank
- Materials and workmanship in accordance with standards
- Lifetime of the tank is over 20 years

Technical data		
Description	Unit	Specification
Steel grade quality		Steel S550GD+Z600-M-A-E
Shape		Corrugated
Finishing		Galvanized, Solano coated
Weight	kg	18-74
Plate lenght	m	3,138
Plate thickness	mm	0,75 - 3,0
Delivery	Pallet	Stacked and secured
Quality and size of bolts	mm	8.8 / M8 (9) x 25
Corrosion protection of the bolt sets		Zincrolyte 12-18 microns, many thick layers
Bolt set per plate	Pcs.	35/46

