

tens of experience

Tanks & Vessels ; we know how

For more than 35 years Plastic Constructies R. Teblick has had the knowhow for designing and building custom-made atmospheric vessels and tanks. Our high-quality plastic constructions and installations support key processes in leading companies throughout Europe. You will find our reliable industry-proof installations in both chemical plants and pharmaceutical labs, as well as in the semicon industry.

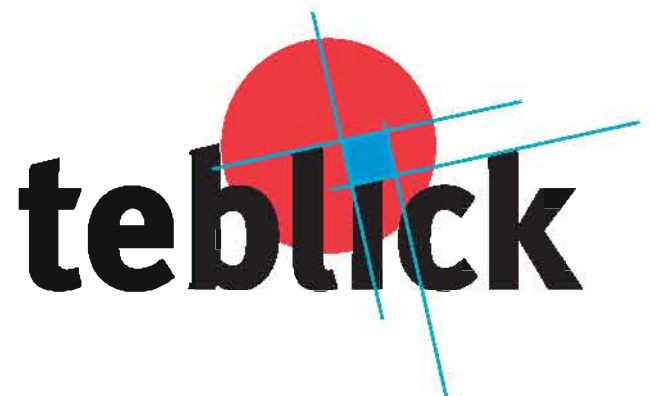
Based upon the required operational conditions (e.g. temperature, medium, etc.) our engineering staff designs the tank (or double containment tank) and chooses the most appropriate construction material. To ensure long-term operation, the chemical resistance is checked thoroughly.

If required, we can offer you a complete installation with tanks, pumps, valves, piping, electrical cabinets, control panels, leak detection, level monitoring, etc., even from scratch!

Our company always played a leading role in cutting-edge plastic constructions technology. One of these innovations is the development, design and construction of larger storage tanks for chemicals.

Sometimes they are so big that even massive walls of plastic wouldn't be strong enough to contain the required amount of solution. Teblick developed a tank strengthened with an internal perforated steel structure. To protect the steel structure from outside influences and to promote a strong adhesion of the inner lining, the tank is wrapped with a glass-fiber reinforced resin, and finished with a UV-protective top layer. This results in a 3D sandwich structure, which combines the following major advantages: mechanical strength, chemical resistance and UV protection. This now frequently applied construction method holds major cost-saving benefits, especially when the chemicals involved require an expensive chemical-resistant plastic (e.g. PFA or ECTFE). The perforated steel structure will act as the tank's backbone, while the rather thin plastic layer will fulfill the role for which it has been designed: guarantee chemical resistance towards the solution.

If the accessibility of the future tank location (e.g. in a basement) is strongly reduced or obstructed by piping or small entrance doors, the tank can be built on site. This special technique avoids unnecessary shutdowns of process installations and gives a new destination to lost space.



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