

MAINTENANCE GUIDE

Maintenance of fire fighting water tanks made of fibreglass plastic

Fire fighting water tanks made of armoured fibreglass plastic are subject to all requirements established for the fire water points proceeding from the Fire safety Act:

§ 24. Requirements for fire water points

(1) Fire water points are fire hydrants or other civil engineering works at a water tank, natural or artificial water body which can be used throughout the year and through which fire fighting water can be extracted by mobile or motor pumps.

(2) The following shall be ensured for a fire water point:

- 1) access throughout the year and serviceability;*
- 2) quantity of water or volumetric flow rate required for extinguishing a fire;*
- 3) marking according to the technical regulation or legislation.*

Armoured fibreglass plastic tanks are durable and totally corrosion-free.

A fibreglass tank installed according to requirements does not need any maintenance during its entire service life.

The maintenance of tanks mainly comprises guaranteeing their implementation for the all-year-round operation. It has to be guaranteed that the water point is easily accessible, it is possible to reach the filling point of the tank (water measuring well), and the control wells of the tanks are visible (snow removal, grass mown).

It is recommendable to check the water level in the tank at least 2 a year. If the water level in the tank is low, the tank has to be filled at once. After the water level in the tank is achieved, the level of water in the tank has to be checked again after 24 hours. If the water level has dropped, turn to the manufacturer of the fire fighting water tanks (Klaasplast OÜ, www.mahuti.ee) to find out whether the fire fighting water tank is leaking or has other defects.

A correspondingly installed tank is a hermetical system in which no ground or rain water can permeate. Concurrently there are no favourable conditions for the growth of micro-organisms and algae. It is recommendable to check the cleanliness of the fire fighting water at least once a year. It may happen that there are greenish spots on the water surface or the water is totally intransparent, then the water in the tank needs disinfection with chlorine granules or tablets. Green spots, algae and intransparent water have to be treated with *Bayrol Cloriklari* (www.basseinikeemia.ee).

Dosage according to the product specification and the amount of water in the fire fighting water tank.