

# Internal Double Floor Made of Fibreglass-Reinforced Plastic Film, System „Duplo“

with Permanent Surveillance of the Gap by Low Air Pressure.



**For vertical cylindrical steel tanks with a flat floor (standing tanks) to store heating oil, diesel oil, heavy oil up to a max. operating temperature of 60°C, aviation gasoline, petrol, hexan, methylterierbutylether and other water-endangering liquids with corresponding consistency.**

#### Function

In the gap of the double floor, lower air pressure is produced. It is monitored by a manometer. A leak in one of the floors will hence be easily detected and leaking liquids can be detained.

On the floor of the tank and at least 20 cm at the bottom of the tank's wall, a close-fitting knobbed aluminium foil is applied, with the knobs facing towards the floor. Hence, a gap is created between the tank and the inner surface. The overlap of the aluminium foil add up to about 50 mm, they are covered by aluminium tape. Sequentially, a holohedral lamination is installed at the inside of the tank, the overlap of the glass fiber is about 50 mm. Within 5 days, the covering coating has to be applied.

**Once the impermeability is confirmed, the operating manometer is connected and the vacuum is set at -0.4 bar. As soon as the tank is in operation, the owner must check the manometer at least on a monthly basis and keep records for safety purposes.**

For in individual consultation or in case of an emergency, please call us.

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