

Underground Tanks

According to DIN 6608 (DIN EN 12285-1)

Single wall tanks according to DIN 6608-1 are used for liquids not hazardous for water, e.g. for our rain water tanks made of steel for storage volume of up to 100 m³.

Double wall cylindrical steel storage tanks according to DIN 6608/2 (EN 12285-1) for the underground storage of liquids hazardous for waters as for example heating oil or carburettor fuels (see material list DIN 6601) have been proven and tested for decades.

The double shell is continuously monitored by means of vacuum (or with excess pressure) and thus offers long-term safety. The tanks are protected against external corrosion by Endoprene insulation. A high-voltage test of 6000 volt in the works guarantees additional security.



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Underground storage tanks made of steel

Information on the temporary storage of underground tanks from Dehoust with an external polyurethane coating and use of the repair kit Endoprene 880 (art. no. 10214)

The external polyurethane coating *Endoprene 868.06* is an extremely resistant coating compared with the mechanical stress.

In case of a proper transport to the building site and if the necessary temporary storage takes place cautiously on e.g. chip cushions or a sand bed, damages at the external coating are practically excluded.

Before storage in the pit, an insulation inspection of the external coating according to DIN 6007-2016-07 is necessary - no matter whether directly on supply without intermediate storage or after an intermediate storage. By means of a high voltage test (6000V), it must be proved that the coating does not show any damage.

If defects occur, they must be repaired with the repair kit *Endoprene 880* so that the insulation is again fully intact.

Afterwards a new high voltage test is necessary again.

Use of a repair kit:

The sticking particles are completely removed with appropriate means (scraper), followed by a matt grinding or brushing of the peeled off surface and the adjacent area on a width of 50mm.

Afterwards the area to be repaired must be thoroughly freed from dust.

Mixture of the two predosed components until a complete homogeneity is achieved.

Application on the entire defect and the adjacent area by means of a scraper or a brush. Layer thickness:1000µm.

The temperature of the product should be between +10° and +30°. The temperature of the tank should be between +5° and +40° just as the environment.

The area to be repaired must be protected against weather influences and humidity during the 2-3 h drying time (at 20!) until a new insulation test is carried out.

It is possible to heat the repaired area with a heat gun for 20-30 min. to accelerate the polymerisation process at this point.

Once the applied coating is hardened taking into consideration a layer thickness of 1000µm, the insulation test of max. 6000 v can be carried out at the repaired area.

Furthermore, the information given in the VdTÜV leaflet 967, annex 9, footing and installation of the tank or backfilling of the excavation pit must be observed.



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