

Steel tanks erected on site, for the above ground storage of hazardous flammable water polluting liquids of class A III and of non-flammable water polluting liquids
Requirements and testing

DIN
6625
Part 1

Standortgefertigte Behälter (Tanks) aus Stahl, für die oberirdische Lagerung von wassergefährdenden, brennbaren Flüssigkeiten der Gefahrklasse A III und wassergefährdenden, nichtbrennbaren Flüssigkeiten; Bau- und Prüfgrundsätze

Supersedes
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In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

1 Scope and field of application

This standard specifies steel tanks with capacities greater than 2000 litres that are erected on site.

Note. Where tanks are to be erected outdoors, their resistance to weather, wind loads and snow loads shall be verified.

Single-wall tanks shall be installed in a catchpit. Excepted from this requirement are single-wall tanks with a capacity of up to 100 m³, with no connections below the permissible filling height, that are used for the storage of non-flammable liquids of WGK0*) or of WGK 1*), provided the tanks in the latter case are tested every five years by an expert as defined in the *Verordnung über Lagern, Abfüllen und Umschlagen wassergefährdender Stoffe* (German Regulation on the storage, filling and handling of water polluting substances).

This standard shall be used in conjunction with DIN 6600, taking into account the requirements specified in DIN 6601**).

2 Plate thicknesses

Steel plates for tank walls shall be at least 3 mm, and those for tank ends at least 5 mm thick.

3 Materials

The materials specified in the table below shall be used for tank plates.

Steel grades		Type of materials testing certificate as in DIN 50 049
St 37-2, USt 37-2, RSt 37-2	DIN 17 100 steels	Test report
St 37-3, St 44-2, St 44-3, St 52-3		Inspection certificate B
H I, H II	DIN 17 155 steels	Inspection certificate B
17 Mn 4		Inspection certificate A
1.4301, 1.4306, 1.4541, 1.4571	DIN 17 440 or DIN 17 441 stainless austenitic steels	Inspection certificate B
3.6 or 4.6	Bolts as in ISO 898 Part 1	—

Other steels may be used if their suitability has been attested to by an expert as defined in article 16, paragraph 1, of the *Verordnung über brennbare Flüssigkeiten* (German Regulation on flammable liquids).

*) WGK = *Wassergefährdungsklasse* (Water pollution class). These classes are listed in a water polluting substances catalogue kept at the *Umweltbundesamt* (German Federal Office for the Environment), Bismarckplatz 1, D-1000 Berlin 33.

***) At present at the stage of draft.

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