

# ISO 28765:2008-10 (E)

## Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
1	Scope .....	1
2	Normative references .....	2
3	Terms and definitions .....	3
4	Symbols and abbreviated terms .....	5
5	Units .....	6
6	Information and requirements to be agreed and documented .....	6
6.1	General .....	6
6.2	Information to be provided by the purchaser .....	6
6.3	Information to be provided by the designer .....	7
7	Applicable standards .....	7
8	Loads .....	8
8.1	General .....	8
8.2	Contents .....	8
8.3	Tank structure .....	9
8.4	Roof .....	9
8.5	Equipment loads .....	10
8.6	Access .....	10
8.7	Environmental .....	10
8.8	Ancillary items .....	11
9	Design .....	11
9.1	General .....	11
9.2	Steel .....	11
9.3	Tank .....	12
9.4	Openings .....	17
9.5	Effects of accidents .....	18
10	Vitreous-enamel coating .....	19
10.1	Vitreous enamel .....	19
10.2	Coating .....	19
10.3	Vitreous-enamel quality .....	19
10.4	Protection during shipping .....	25
10.5	Maintenance .....	25
11	Installation .....	25
11.1	General guidance .....	25
11.2	Foundations .....	25
11.3	Inspection of the vitreous-enamel coating at the construction site .....	25
12	Disinfection .....	25
Bibliography .....		26