

(PREVIEW)

Indian Standard
**HOT PRESS MOULDED THERMOSETTING
GLASS FIBRE REINFORCED POLYESTER
RESIN (GRP) SECTIONAL WATER
STORAGE TANKS**

PART 1 SPECIFICATION FOR PANELS

1 SCOPE

1.1 This standard (Part 1) lays down the requirements for the panels of glass fibre reinforced polyester resin (GRP) sectional tanks meant for storing potable water under pressure not exceeding the static head corresponding to the depth of the tank and temperature of water not exceeding 50°C.

1.1.1 GRP panels used in manufacturing tanks as covered in this standard are hot compression moulded, using sheet moulding compound (SMC).

2 REFERENCES

The Indian Standards listed in Annex A are necessary adjuncts to this standard.

ANNEX A

(Clause 2)

LIST OF REFERRED INDIAN STANDARDS

<i>IS No.</i>	<i>Title</i>
2500 (Part 1) : 1992	Sampling inspection procedures: Part 1 Attribute sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection (<i>second revision</i>)
6746: 1994	Unsaturated polyester resin system for low pressure fibre reinforced plastics (<i>first revision</i>)
10500: 1991	Drinking water (<i>first revision</i>)
11273: 1992	Woven roving fabrics of 'E' glass fibre (<i>first revision</i>)
11320: 1985	Glass fibre roving for reinforcement of polyester and of epoxide resin systems
11551 : 1986	Glass fibre chopped strand mat for the reinforcement of polyester resin systems

PART 2 GUIDELINES FOR ASSEMBLY, INSTALLATION AND TESTING

1 SCOPE

1.1 This standard (Part 2) lays down the requirements for assembly, installation and testing of glass fibre reinforced polyester (GRP) resin sectional water storage tanks of capacities 1 000 l to 5 lac litres, meant for storing potable water under pressure not exceeding the static head corresponding to the depth of the tank and temperature of water not exceeding 50°C.

1.2 GRP panels used in manufacturing of tanks are covered in Part 1 of the standard.

2 REFERENCES

The Indian Standards listed in Annex K are necessary adjuncts to this standard.

ANNEX K

(Clause 2, Part2)

LIST OF REFERRED INDIAN STANDARDS

<i>IS No.</i>	<i>Title</i>
1364 (Part 1) : 1992	Hexagon head bolts, screws and nuts of product grades A and B:
(Part 3) : 1992	Hexagon head bolts (size range M1.6 to M64) (<i>third revision</i>)
1367 (Part 13): 1983	Hexagon nuts (size range M1.6 to M64) (<i>third revision</i>)
6911 : 1992	Technical supply conditions for threaded steel fasteners: Part 13 Hotdip galvanized coatings on threaded fasteners (<i>second revision</i>)
	Stainless steel plate, sheet and strip (<i>first revision</i>)