

(PREVIEW)

Indian Standard

INSTALLATION OF GLASS FIBRE REINFORCED PLASTIC (GRP) PIPING SYSTEM CODE OF PRACTICE

1 SCOPE

1.1 This standard describes procedure of laying GRP piping system installation and includes requirements for trenching, handling, jointing, compaction of back filling and post installation hydrostatic test.

1.1.1 This code does not cover installation that require special attention, techniques and materials like:

- a) Pipe through rigid walls,
- b) Subaqueous piping, and
- c) Plant or pumping station piping.

NOTES

1 Pipes, fittings and rubber gaskets to be used for installation of piping system as per this code shall conform to the following standards:

- a) The GRP pipes, jointing and fittings shall conform to IS 12709 : 1993.
- b) The Rubber gasket shall conform to IS 5382 : 1985.

2 Appropriate stiffness class of the GRP pipe (*see* IS 12709 : 1994) shall be selected to withstand the overburden (dead load), live load and vacuum conditions, if any, considering site conditions.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
5382 : 1985	Rubber sealing rings for gas mains, water mains and sewers (<i>first revision</i>)
12709 : 1993	Specification for glass-fibre reinforced plastics (GRP) pipes, joints and fittings for use for potable water supply (<i>first revision</i>)
2720 (Part 7) : 1980	Methods of test for soils : Part 7 Determination of water content dry density relation using light compaction (<i>second revision</i>)