

PART 1 General

1.1 REFERENCES

- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM D2564-04e1, Specification for Solvent Cements for Poly (Vinyl-Chloride) (PVC) Plastic Piping Systems
- .2 Canadian Standards Association (CSA)
 - .1 CSA-B181.2-02, PVC Drain, Waste and Vent Pipe and Pipe Fittings

PART 2 Products

2.1 PIPING AND FITTINGS

- .1 For underground (inside building) or above ground DWV piping to:
 - .1 CSA-B181.2.M
- .2 Plastic piping are to be rated for use in a return air plenum and to be rated for use in a non-combustible building, with flame development rating of less than 25 and smoke development rating of less than 50.
- .3 Any fire and smoke retarding materials must be impregnated in plastic material, and not applied as a coating.

2.2 JOINTS

- .1 Solvent weld for PVC: to ASTM D2564.
- .2 PVC Fittings: to CAN/CSA-B181.2

PART 3 Execution

3.1 INSTALLATION

- .1 Provide approved fire stops at all fire separations.
- .2 Do not run plastic piping within fire separations or within stairwells.
- .3 Fire and smoke retarding materials are to be impregnated in the plastic material. Field applied coatings are not acceptable.
- .4 In accordance with Section 23 05 05 - Installation of Pipework.

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- .5 Install in accordance with Canadian Plumbing Code and local authority having jurisdiction.

3.2 TESTING

- .1 Hydraulically test to verify grades and freedom from obstructions.

3.3 PERFORMANCE VERIFICATION

- .1 Cleanouts:
 - .1 Ensure accessible and that access doors are correctly located.
 - .2 Open, cover with linseed oil and re-seal.
- .2 Test to ensure traps are fully and permanently primed.
- .3 Ensure fixtures are properly anchored, connected to system and effectively vented.
- .4 Affix applicable label (storm, sanitary, vent, pump discharge etc.) c/w directional arrows every floor or 4.5 m (whichever is less).

END OF SECTION