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# STANDATA variance 15-PCV-03

## Plumbing

### Cellular core PVC pipe and fittings

Date Issued: September 2021

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#### Purpose

This variance allows Albertans to use cellular core polyvinyl chloride (PVC) pipe in residential buildings containing one or two dwelling units and row houses that do not exceed three storeys in height.

#### Discussion

This variance recognizes the National Plumbing Code of Canada 2020 will include cellular core PVC pipe and fittings that conform to ASTM F 3128-19, "Poly(Vinyl Chloride) (PVC) Schedule 40 Drain, Waste, and Vent (DWV) Pipe with a Cellular Core" for use with PVC and CPVC drain, waste, vent pipe and pipe fittings requirements.

#### Issue

Industry stakeholders want an option to use cellular core PVC pipe for DWV applications during significant plastic drainage supply shortages due to limited availability of base materials and in advance of proposed changes for the next version of the National Plumbing Code of Canada.

#### Application

This variance applies to the use of cellular core PVC pipe in residential buildings containing one or two dwelling units and row houses that do not exceed three storeys in height.

This VARIANCE is applicable throughout the Province of Alberta.

Unless stated otherwise, all Code references in this STANDATA are to the National Plumbing Code of Canada.

Issued by the Provincial Plumbing Administrator

*[Original Signed]*  
Sidney Manning

Alberta Municipal Affairs – Technical and Corporate Services  
Phone: 1-866-421-6929      Email: [safety.services@gov.ab.ca](mailto:safety.services@gov.ab.ca)

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**Variance**

The National Plumbing Code of Canada 2015, Division B Clause 2.2.5. Non-Metallic Pipe and Fittings is varied to include:

Cellular Core PVC Pipe and Fittings

1) Cellular core PVC pipe shall

a) conform to ASTM F 3128-19, "Poly(Vinyl Chloride) (PVC) Schedule 40 Drain, Waste, and Vent Pipe with a Cellular Core," and

b) be light grey, as specified in CAN/CSA-B181.2, "Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings."

2) Fittings and solvent cements for cellular core PVC pipe shall conform to CAN/CSA-B181.2, "Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings."

3) Cellular core PVC pipe shall only be used for DWV applications in residential buildings containing 1 or 2 dwelling units and row houses that do not exceed 3 storeys in height.

When installations comply with this variance and manufacturer's installation instructions, the installation can be considered to meet the requirements of clause 2.2.5.8. Plastic Pipe, Fittings and Solvent Cement Used Underground, clause 2.2.5.10. Plastic Pipe, Fittings and Solvent Cement Used in Buildings, and Table A-2.2.5., 2.2.6. and 2.2.7. of the National Plumbing Code of Canada 2015, division B.

This variance expires February 01, 2023

This variance provides approximately equivalent or greater safety performance with respect to persons and property as that provided for by the *Safety Codes Act*.