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Ontario

**Building Materials Evaluation
Commission**

**Commission d'évaluation des
matériaux de construction**

BMEC AUTHORIZATION: 22-06-402 NAPCORE™ Cellular Core PVC DWV Pipe

Date of Authorization: September 28, 2022
Date of Expiry¹: September 28, 2027

1. Applicant

Westlake Pipe & Fittings
71 Royal Group Cres
Woodbridge, ON
L4L 1X9

Tel: (403) 389-5600
Web: westlakepipe.com

2. Manufacturing Facility

Westlake Pipe & Fittings
88 Newport Road
Leola, PA
17540

Tel: (403) 389-5600
Web: westlakepipe.com

3. Authorization

NAPCORE™ Cellular Core PVC Drain, Waste and Vent (DWV) Pipe is a co-extruded cellular core pipe consisting of inner and outer skin layers with a “foamed” core. Foaming agents added to the PVC material create a lower density closed-cell core for low-rise residential buildings. The product is available in five nominal sizes ranging from 40 mm (1-1/2”) to 150 mm (6”).

Additional descriptive information is provided in documents supplied by the Applicant listed in Appendix A.

Reports and assessments provided by the Applicant demonstrate that if the NAPCORE™ Cellular Core PVC DWV Pipe is manufactured, designed, constructed, tested, and installed in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization, the use of NAPCORE™ Cellular Core PVC DWV Pipe shall be deemed to not be a contravention of Article 7.2.5.10 “Plastic pipe, Fittings and Solvent cement Used Underground” and

¹ This Authorization expires on the date shown. It is the responsibility of Authorization holders to make a complete application considering the time for review and complexity of the new application.

Article 7.2.5.12 "Plastic pipe, Fittings and Solvent cement Used in buildings" of Division B of the Building Code.

All other requirements pertaining to the manufacture, design, construction, testing, and installation are subject to the requirements of the Building Code, and subject to the following terms and conditions contained below.

4. Specific Terms and Conditions

- 4.1. This Authorization is valid only for NAPCORE™ Cellular Core PVC DWV Pipe with sizes from 40 mm (1-1/2") to 150 mm (6");
- 4.2. NAPCORE™ Cellular Core PVC DWV Pipe shall be certified to ASTM F 3128-19, "Polyvinylchloride (PVC) Schedule 40 Drain, Waste, and Vent Pipe with a Cellular Core";
- 4.3. NAPCORE™ Cellular Core PVC DWV Pipe shall be light grey, as specified in CAN/CSA-B181.2, "Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings.";
- 4.4. Fittings and solvent cements for use with NAPCORE™ Cellular Core PVC DWV Pipe shall conform to CAN/CSA-B181.2, "Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings.";
- 4.5. NAPCORE™ Cellular Core PVC DWV 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;
- 4.6. NAPCORE™ Cellular Core PVC DWV Pipe shall not be used in a building sewer application;
- 4.7. All certifications noted in this authorization shall be kept up to date.

5. General Conditions

- 5.1. The use of the NAPCORE™ Cellular Core PVC DWV Pipe as described in Section 3. and the Specific Terms and Conditions set out in Section 4. must comply with:
 - (a) the *Building Code Act, 1992*, (the "Act") as amended or re-enacted,
 - (b) except as specifically authorized herein, the Building Code as amended or remade, and
 - (c) all other applicable legislation.
- 5.2. A copy of this Authorization shall accompany each application for a building permit and shall be maintained on the site of the construction with the building permit.
- 5.3. The Applicant specified in Section 1. shall promptly notify the BMEC of:

- (a) the failure of the Applicant to comply with any of the Specific Terms and Conditions set out in Section 4.,
- (b) the failure of the material, system or building design that is the subject matter of this Authorization to comply with any of the Specific Terms and Conditions set out in Section 4., or
- (c) provide a satisfactory level of performance in situ, or the occurrence of any of the events described in General Conditions 5.4.(a), (b), or (e).

5.4. The BMEC may amend or revoke this Authorization at any time on its own initiative, or at the request of the Applicant specified in Section 1. Without restricting the foregoing, the BMEC may amend or revoke this Authorization where it determines that:

- (a) the failure of any change has been made to:
 - (i) the name of the Applicant specified in Section 1.,
 - (ii) the address or other contact name information of the Applicant specified in Section 1.,
 - (iii) the ownership of the Applicant specified in Section 2.,
 - (iv) the manufacturing facilities specified in Section 2.,
 - (v) the material, system, or building design that is the subject matter of this Authorization, or
 - (vi) a test method relevant to this Authorization,
- (b) the Applicant has failed to comply with any of the terms and conditions set out in this Authorization,
- (c) in the opinion of the BMEC, the use of the material, system or building design authorized herein provides an unsatisfactory level of performance in situ,
- (d) in the opinion of the BMEC, amendment or revocation of the Authorization is appropriate on the basis of potential danger to public health and safety,
- (e) the Act or Building Code has been amended, re-enacted or remade in a manner relevant to this Authorization,
- (f) this Authorization was issued on mistaken, false or incorrect information, or
- (g) a revision of an editorial nature is appropriate.

Dated at Toronto this 28th day of September 2022

BUILDING MATERIALS EVALUATION COMMISSION



CHAIR, BUILDING MATERIALS EVALUATION COMMISSION

attached – “Appendix A – Supporting Information”

Appendix A – Supporting Information

The following is a list of the documents that were submitted and reviewed, but were not limited to:

1. Application, Westlake Pipe & Fittings, “Application to the Ontario Building Materials Evaluation Commission” as amended;
2. Engineer report, Steven Grant, “Application to the Ontario Building Materials Evaluation Commission” as amended;
3. Product literature, NAPCO Royal Pipe & Fittings, “NAPCORE™ PVC DWV Cellular Core Pipe”, version PL-PS-020-CA-EN-0619.1;
4. Certification, Government of Alberta, “STANDATA variance 15-PCV-03”, dated September 2021;
5. Certification, Government of Saskatchewan, “Cellular Core PVC Pipe for use in Small Residential Occupancies”, dated July 1, 2022;
6. Standard, ASTM international, “Standard Specification for Poly(Vinyl Chloride) (PVC) Schedule 40 Drain, Waste, and Vent Pipe with a Cellular Core”, Standard F3128-19;
7. Testing, “Supplement to F3128 Proposal”, October 10, 2018, page 1-4;
8. Listing, NSF International, “NSF/ANSI 14 Plastics Piping System Components and Related Materials”, dated August 26, 2022, page 1 and 44 of 72;
9. Letter, LRI Fire Protection & Building Code, “Response to Commission Follow-up” dated August 11, 2022;
10. Letter, LRI Fire Protection & Building Code, “Response to Commission Follow-up” dated September 1, 2022.