



**Ontario**

**Building Materials Evaluation  
Commission**

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

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## **BMEC AUTHORIZATION: 17-02-381**

**ProPress® sizes 12.7 mm (1/2"), 19.04 mm (3/4"), 25.4 mm (1"), 31.75 mm (1 1/4"), 38.1 mm (1 1/2") and 50.8 mm (2"); and ProPress® XL sizes 63.5 mm (2 1/2"), 76.2 mm (3") and 101.6 mm (4")**

**Date of Authorization: November 30, 2017**

**Date of Expiry<sup>1</sup>: November 30, 2022**

### **1. Applicant**

Viega, LLC  
12303 Airport Way  
Suite 395  
Broomfield, CO  
USA 80021

Tel: 316 425-7416  
Fax: 316 425-7618  
Web: [www.viega.us](http://www.viega.us)

### **2. Manufacturing Facility**

Viega GmbH & Co. KG  
Viega Platz 1, 57439 Attenbdorn, DE  
Elspe Works, 57368 Lennestadt-Elspe, DE  
Ennest Works, 57439, Attendorn-Ennest, DE  
GroBheringen Works, 99518 GroBheringen, DE  
Niederwinkling Works, 94559 Niederwinkling, DE

### **3. Authorization**

The ProPress® and ProPress® XL is designed and manufactured by Viega LLC. It is a copper joining technology without the use of traditional practice of soldering.

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<sup>1</sup> 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.

The ProPress® sizes 12.7 mm (½"), 19.04 mm (¾"), 25.4 mm (1"), 31.75 mm (1¼"), 38.1 mm (1 ½") and 50.8 mm (2"); and ProPress® XL sizes 63.5 mm (2 ½"), 76.2 mm (3") and 101.6 mm (4") are copper fittings having an elastomeric seal (i.e. EPDM) incorporated within the socket's fitting.

The ProPress® and ProPress® XL are designed to be pressed with the use of a special design power tool (i.e. electro-hydraulic press tool fitted with interchangeable press jaws) under substantial pressure to form a watertight sealed joint.

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

Reports and assessment provided by the Applicant demonstrate that if the ProPress® and ProPress® XL are manufactured, designed, constructed, installed, and maintained in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization the use of the ProPress® and ProPress® XL are considered to be not in contravention of Articles 7.2.7.6. "Solder-Joint Water Fittings" and 7.3.2.6. "Mechanical Joints" of Division B of the Building Code.

All other requirements pertaining to the manufacturing, design, construction, installation and maintenance are subject to the requirements of the Building Code, and subject to the following terms and conditions contained in 4 and 5 below:

#### **4. Specific Terms and Conditions**

1. This authorization is valid only for the ProPress® sizes 12.7 mm (½"), 19.04 mm (¾"), 25.4 mm (1"), 31.75 mm (1¼"), 38.1 mm (1 ½") and 50.8 mm (2"); and ProPress® XL sizes 63.5 mm (2 ½"), 76.2 mm (3") and 101.6 mm (4");
2. The ProPress® and ProPress® XL shall only be used in a hot and cold water distribution system in above ground and below grade, but not buried under a building as set out in Sentence 7.3.3.12.(2) of Division B of the Building Code, or not in direct contact with soils;
3. The ProPress® and ProPress® XL are approved for copper fittings only;
4. Each ProPress® and ProPress® XL fitting shall be permanently marked with the manufacturer's name, the nominal size, and a green dot as per the manufacturer instructions for the domestic water distribution purposes;
5. The ProPress® and ProPress® XL shall be installed by a plumber, contractor, or trained personnel in accordance with all applicable installation instructions from Viega, LLC and this authorization;
6. The ProPress® and ProPress® XL shall be installed according to the Building Code and "Viega ProPress Systems: Installation Manual", version IM-PP 724607 0516;

7. The elastomeric seal (an EPDM o-ring) in the ProPress® and ProPress® XL shall be made of a non-toxic synthetic rubber that meets the requirements of “ASTM D2000: Standard Classification System for Rubber Products in Automotive Applications”;
8. The ProPress® and ProPress® XL copper fittings shall comply with the material requirements of “ANSI/ASME B16.22: Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings” and the chemical components requirements “ASTM B88: Seamless Copper Water Tube”; and
9. The ProPress® and ProPress® XL shall comply with “NSF 61: Drinking Water System Components - Health Effects”.

## 5. General Conditions

1. The use of the ProPress® and ProPress® XL 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.
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.
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
    - (i) comply with any of the Specific Terms and Conditions set out in Section 4, or
    - (ii) provide a satisfactory level of performance in situ, or
  - (c) the occurrence of any of the events described in General Conditions 5.4.(a), (b), (e) or (f).
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) 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 1,
    - (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 30<sup>th</sup> day of November 2017

## **BUILDING MATERIALS EVALUATION COMMISSION**

Leo Grellette  
Chair, Building Materials Evaluation Commission

ENCLOSURES: 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. Letter Report, AAone, “Application – ProPress™ - sizes 12.7mm(½”), 19mm(¾”), 25mm(1”), 38mm(1 ½”), 51mm(2”), 63.5mm(2 ½”), 76.2mm(3”) and 101.6mm(4”).”, dated July 27, 2017
2. Letter Report, TSSA, “Service Request Type: BPV-Fitting Registration”, dated June 3, 2011
3. Letter Report, TSSA, “Service Request Type: BPV-Fitting Registration”, dated March 4, 2013
4. Letter Report, Richard Barnes, “RE ProPress Fittings: sizes 12.7mm(½”), 19mm(¾”), 25mm(1”), 31.8mm(1-1/4”), 38mm(1 ½”), 51mm(2”), 63.5mm(2 ½”), 76.2mm(3”) and 101.6mm(4”).”, dated October 4, 2017
5. Report, ICC Evaluation Service, “ICC-ES Report: PMG-1037”, reissued March 2017
6. IAPMO Research and Testing, Inc., Certificate of Listing, issued to Viega LLC, file No. 3965, rev April 24, 2017
7. NSF International Report, NSF Product and Service Listing “NSF/ANSI 61 – Drinking Water System Components–Health Effects”, dated October 3, 2017
8. NSF International Report, NSF Product and Service Listing “MP: Mechanical Plumbing Products”, dated July 8, 2017
9. Listing, California Department of Forestry & Fire Protection, Listing No. 7515-2006:0100, dated July 1, 2015
10. Zertifacte, Materialprüfungsamt Nordrhein-Westfalen, MPA NRW Bericht-Nr: 130003172, dated 30.10.2015
11. CSA International Certificate of Compliance, Viega LLC, Certificate 1116260, dated July 22, 2014
12. CSA International Certificate of Compliance, Viega LLC, Certificate 1116260, dated September 27, 2007
13. CSA International Certificate of Compliance, Viega LLC, Certificate 2598576, dated March 12, 2013
14. UL Certificate of Compliance, Viega LLC, Certificate Number 20160323-EX6157, dated March 23, 2016
15. FM Approvals, Certificate of Compliance, Viega LLC, Approval Identification 0003047543, Approval Granted, December 23, 2013
16. Manufacturer’s Literature - “Viega® ProPress and ProPress XL (Copper) Fitting Systems”, version SD-PP 1015
17. Catalog, “Ridgid® Press Tools”
18. Standard, ASTM F3226/F3226M “Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems”
19. Standard, ASME B16.51-2013 “Copper and Copper Alloy Press-Connect Pressure Fittings”
20. Manufacturer’s Literature - “Viega TechData Sheets”, versions TD-PPG 1016TD-PPG 1016, TD-PPG 1214, TD-PPG 0614, TD-PP 0116, TD-PP 0216, TD-PP 0115, TD-PP 1115, TD-PP 0915, TD-PP 0414, and TD-PPG

21. Manufacturer's Literature, Viega Metals Solutions, "Viega ProPress and MegaPress Systems"
22. Manufacturer's Literature - "Viega Fire Protection Systems "Safety starts here"
23. Manufacturer's Literature - "Viega Engineering Specifications", versions ES-PP 0809, ES-PP 0213, ES-PP 0415
24. Manufacturer's Literature - "Viega Dimensional Documentation - Viega ProPress® XL-C®", versions DD-PP 0416, DD-PP 0416, DD-PP 0416 and DD-PP 0916
25. Manufacturer's Literature - "Viega ProPress Systems"
26. Manufacturer's Literature - "Viega ProPress® Systems: Speed. Reliability. Results", version BE-PP 0108
27. Instructions, Viega, "Product Instructions" versions PI-PP 514822 0714, PI-PP-XLC 514738 0116, PI-PP-BV 518866 0115, PI-PP 520180 0513, PI-PP 566431 0115, PI-PP 566428 0115, PI-PP 520712 0814, PI-PP 514832 0115, PI-PP 573149 0614, PI-PP-PIP 518804 0115 and PI-PP-520056 0313
28. Manual "Viega ProPress Systems: Installation Manual", version IM-PP 724607 0516;
29. Manual, RIDGID® "Operator's Manual, Pressing Tools for Use With: ProPress® Fitting System, ProPress® XL-C Fitting System", 14 pages
30. Manual, RIDGID® "Operator's Manual, 320-E Press Tool", 11 pages
31. Manual, RIDGID® "RP 330: Pressing Tool", 11 pages
32. Manual, RIDGID® "RP 340: Press Tool", 11 pages
33. Manual, RIDGID® "CT400: Press Tool", 9 pages
34. Manual, RIDGID® "Compact 100-B: Pressing Tool", 10 pages
35. Manual, RIDGID® "RP 200-B: Press Tool", 11 pages
36. Manual, RIDGID® "RP 210: Press Tool", 11 pages
37. Warranty, Viega, "Viega® Metal Systems Industrial", version Industrial Warranty 1115