



LATICRETE INTERNATIONAL, INC.

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LATICRETE® HYDRO BAN BONDING FLANGE DRAIN LATICRETE HYDRO BAN LINEAR DRAIN LATICRETE HYDRO BAN DRAIN GRATE

CSI Section:
22 40 00 Plumbing Fixtures

Refer to Table 1 for recognized item numbers

1.0 RECOGNITION

LATICRETE’s HYDRO BAN Bonding Flange Drains and Linear Drains recognized in this report have been evaluated for use as floor and shower drains in Types I, II, III, IV, and V construction. The strength, durability, and flow properties of the Hydro Ban Bonding Flange Drains and Linear Drains have been evaluated and comply with the intent of the provisions of the following codes and regulations:

- 2021, 2018, 2015, and 2012 Uniform Plumbing Code® (UPC)
- 2018, 2015, and 2012 International Building Code® (IBC)
- 2018, 2015, and 2012 International Plumbing Code® (IPC)
- 2018, 2015, and 2012 International Residential Code® (IRC)

2.0 LIMITATIONS

Use of the Hydro Ban Bonding Flange Drains and Linear Drains recognized in this report is subject to the following limitations:

2.1 LATICRETE’s Hydro Ban Drains recognized in this report are limited to ceramic tile and dimensioned stone installations on the floors with a minimum of ¼ inch per foot slope to the drain.

2.2 The bottom of all drains shall be adequately supported in accordance with the manufacturer’s installation instructions.

2.3 Connections to the plumbing system shall be in accordance with the UPC or IPC.

2.4 Shower enclosure shall comply with requirements of the UPC or IPC.

3.0 PRODUCT USE

3.1 **General:** LATICRETE’s Hydro Ban Bonding Flange Drains and Linear Drains comply with UPC Sections 408 and 418, and 2018 IPC Sections 412, 413, and 421 (2015 and 2012 IPC Sections 412, 417, and 424), and are used as floor and shower drains in Types I, II, III, IV, and V construction under the IBC and any construction under the IRC. These low-profile floor drains are specifically designed for bonded waterproofing installations with LATICRETE Hydro Ban waterproofing membrane (recognized as conforming to ANSI A118.10 by IAPMO R&T File No. 3524).

The LATICRETE HYDRO BAN linear drains may also be used with the LATICRETE HYDRO BAN Linear Pre-Sloped Shower Pans. The LATICRETE HYDRO BAN Drain Grates may be used with the LATICRETE HYDRO BAN Pre-Sloped Shower Pans and clamping ring styled drains. The drains and pans are all outside the scope of this report. The shower pans are recognized in ER-269.

3.2 **Installation:** Installation of LATICRETE’s Hydro Ban drains shall be in accordance with this report, the manufacturer’s published installation instructions, IAPMO IGC195, TCNA B422, and the applicable requirements in the UPC or IPC. In the event of a conflict between this report and the installation instructions, the more restrictive shall govern. The manufacturer’s published installation instructions shall be available on the job site if requested by the building official.

4.0 PRODUCT DESCRIPTION

4.1 **LATICRETE® Hydro Ban Bonding Flange Drains:** LATICRETE Hydro Ban Bonding Flange Drains are low profile floor drains specifically designed for bonded waterproofing installations with LATICRETE Hydro Ban Waterproofing Membrane. The drain and bonding flange are constructed of ABS or PVC and the grate is stainless steel. The drain attaches to 2-inch (50 mm), 3-inch (76 mm), or 4-inch-diameter (102 mm) waste lines.

4.2 **LATICRETE® Hydro Ban Linear Drain:** LATICRETE Hydro Ban Linear Drain is a low-profile linear floor drain consisting of a trough and removable grate specifically designed for bonded waterproofing installations with LATICRETE Hydro Ban Waterproofing Membrane, or with a LATICRETE HYDRO BAN Linear Pre-Sloped Shower Pan. The drains allow a single plane slope to the drain. Both the drain base and the grate are manufactured from No. 16 gage stainless steel. Lengths include 24 inches (610 mm), 32 inches (813 mm), 36 inches (914 mm), 42 inches (1,067 mm), 48 inches (1,219 mm), and 60 inches (1,524 mm).

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.



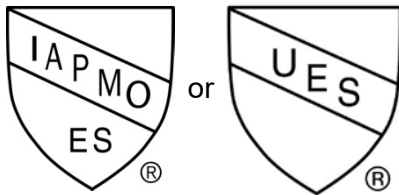


5.0 IDENTIFICATION

A label shall be affixed on at least one of the following: product, packaging, installation instructions or descriptive literature. The label shall include the company name or trademark, model number, and the Evaluation Report Number (ER-273) to identify the products recognized in this report. A die-stamp label may also substitute for the label.

1. PS – suffix indicates Polished stainless steel grate finish.
2. BS– suffix indicates Brushed stainless steel grate finish.
3. ORB - suffix indicates Oil Rubbed Bronze stainless steel grate finish.
4. TI - suffix indicates a Tiled-In grate.
5. TN – suffix indicates Drain Trough.
6. T – suffix indicates a Trough.
7. SO - suffix indicates a side outlet linear drain.

Either IAPMO Uniform ES Mark of Conformity may also be used as shown below:



IAPMO UES ER-273

6.0 SUBSTANTIATING DATA

6.1 Report of testing in accordance with applicable sections of ASME A112.18.2- 2015 / CSA B125.2-15.

6.2 IAPMO Research and Testing Listing File No. 3524 on LATICRETE Hydro Ban Waterproofing Membrane as conforming to ANSI A118.10.

6.3 IAPMO Research and Testing Listing File No. 3439 on Watts FD-100 drain which is recognized as conforming to ASME A112.6.3.

6.4 Test reports are from laboratories in compliance with ISO/IEC 17025.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on LATICRETE's Hydro Ban Bonding Flange Drains and Linear Drains to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured in this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this evaluation report, please visit www.uniform-es.org or email us at info@uniform-es.org



TABLE 1 – RECOGNIZED ITEM NUMBERS (cont'd on next page)

| DESCRIPTION | LATICRETE ITEM # |
|---|------------------|
| Hydro Ban Linear Drain Channel | |
| 24" HYDRO BAN Linear Drain "T" Trough | 9244-0024-T |
| 30" HYDRO BAN Linear Drain "T" Trough | 9244-0030-T |
| 32" HYDRO BAN Linear Drain "T" Trough | 9244-0032-T |
| 36" HYDRO BAN Linear Drain "T" Trough | 9244-0036-T |
| 42" HYDRO BAN Linear Drain "T" Trough | 9244-0042-T |
| 48" HYDRO BAN Linear Drain "T" Trough | 9244-0048-T |
| 54" HYDRO BAN Linear Drain "T" Trough | 9244-0054-T |
| 60" HYDRO BAN Linear Drain "T" Trough | 9244-0060-T |
| Hydro Ban Side Outlet Linear Drain Channel | |
| 24" Side Outlet Hydro Ban Linear Drain Trough | 9244-0024-SO |
| 30" Side Outlet Hydro Ban Linear Drain Trough | 9244-0030-SO |
| 32" Side Outlet Hydro Ban Linear Drain Trough | 9244-0032-SO |
| 36" Side Outlet Hydro Ban Linear Drain Trough | 9244-0036-SO |
| 42" Side Outlet Hydro Ban Linear Drain Trough | 9244-0042-SO |
| 48" Side Outlet Hydro Ban Linear Drain Trough | 9244-0048-SO |
| 54" Side Outlet Hydro Ban Linear Drain Trough | 9244-0054-SO |
| 60" Side Outlet Hydro Ban Linear Drain Trough | 9244-0060-SO |
| Hydro Ban Linear Drain Channel with Threaded Connector | |
| 24" Threaded Hydro Ban Linear Drain Trough | 9244-0024-TN |
| 30" Threaded Hydro Ban Linear Drain Trough | 9244-0030-TN |
| 32" Threaded Hydro Ban Linear Drain Trough | 9244-0032-TN |
| 36" Threaded Hydro Ban Linear Drain Trough | 9244-0036-TN |
| 42" Threaded Hydro Ban Linear Drain Trough | 9244-0042-TN |
| 48" Threaded Hydro Ban Linear Drain Trough | 9244-0048-TN |
| 54" Threaded Hydro Ban Linear Drain Trough | 9244-0054-TN |
| 60" Threaded Hydro Ban Linear Drain Trough | 9244-0060-TN |
| Hydro Ban Linear Drain Grates Only | |
| Brushed | |
| 24" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0024-BS |
| 30" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0030-BS |
| 32" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0032-BS |
| 36" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0036-BS |
| 42" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0042-BS |
| 48" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0048-BS |
| 54" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0054-BS |
| 60" Offset Oval Hydro Ban Linear Drain Grate Brushed | 2418-0060-BS |
| Polished | |
| 24" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0024-PS |
| 30" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0030-PS |
| 32" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0032-PS |
| 36" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0036-PS |
| 42" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0042-PS |
| 48" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0048-PS |
| 54" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0054-PS |
| 60" Offset Oval Hydro Ban Linear Drain Grate Polished | 2418-0060-PS |



EVALUATION REPORT

Number: 273

Originally Issued: 09/26/2012

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Valid Through: 09/30/2024

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| Oil Rubbed Bronze | |
| 24" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0024-ORB |
| 30" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0030-ORB |
| 32" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0032-ORB |
| 36" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0036-ORB |
| 42" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0042-ORB |
| 48" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0048-ORB |
| 54" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0054-ORB |
| 60" Offset Oval Hydro Ban Linear Drain Grate Oil Rubbed Bronze | 2418-0060-ORB |
| Tile-In | |
| 24" Tile-In Hydro Ban Linear Drain Grate | 2418-0024-TI |
| 30" Tile-In Hydro Ban Linear Drain Grate | 2418-0030-TI |
| 32" Tile-In Hydro Ban Linear Drain Grate | 2418-0032-TI |
| 36" Tile-In Hydro Ban Linear Drain Grate | 2418-0036-TI |
| 42" Tile-In Hydro Ban Linear Drain Grate | 2418-0042-TI |
| 48" Tile-In Hydro Ban Linear Drain Grate | 2418-0048-TI |
| 54" Tile-In Hydro Ban Linear Drain Grate | 2418-0054-TI |
| 60" Tile-In Hydro Ban Linear Drain Grate | 2418-0060-TI |
| Wedge Wire Drain Gates Only | |
| Brushed | |
| 24" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW24-BS |
| 30" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW30-BS |
| 32" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW32-BS |
| 36" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW36-BS |
| 42" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW42-BS |
| 48" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW48-BS |
| 54" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW54-BS |
| 60" Wedge Wire Hydro Ban Linear Drain Grate Brushed | 2418-WW60-BS |
| Polished | |
| 24" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW24-PS |
| 30" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW30-PS |
| 32" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW32-PS |
| 36" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW36-PS |
| 42" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW42-PS |
| 48" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW48-PS |
| 54" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW54-PS |
| 60" Wedge Wire Hydro Ban Linear Drain Grate Polished | 2418-WW60-PS |