



CODE EVALUATION REPORT

CERUs-1052

PUBLISHED: April 2025
PUBLISHED: April 2025
EXPIRATION: April 2028

PRODUCT: Allura® Backer with Triple Block™

REPORT HOLDER: Plycem USA LLC

CONTACT DETAILS: 396 W. Greens Road, Suite 300
Houston, TX
77067 USA
www.allurausa.com/

CSI DIVISION: 09 00 00 - Finishes

CSI SECTION: 09 28 13 – Cementitious Backing Boards
09 30 00 – Tiling

APPLICABLE CODES: 2024, 2021, 2018 International Building Code (IBC)
2024, 2021, 2018 International Residential Code (IRC)

EVALUATED: Physical Properties
Surface-Burning Characteristics
Mold Resistance
Mortar Shear Bond



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1.0 APPROVED FOR FOLLOWING:

| | |
|---------------------------------|--|
| APPROVED TYPES OF CONSTRUCTION: | Types I-VAB |
| APPROVED USE: | Backing boards for internal wet and dry areas |
| APPROVED INSTALLATIONS: | <ul style="list-style-type: none">• Base for wall tile in tub/shower areas• Wall and Ceiling panels in tub/shower areas.• Backing board for any wet area• Base for floors and countertops |

2.0 DESCRIPTION:

2.1 General:

Allura® Backer with Triple Block™ products, are nominal ¼-inch (6.4mm) or ½-inch (12.7mm) thick fiber-cement backer boards complying as Grade 1 per ASTM C1288. Allura® Backer with Triple Block™ comply with the 2024/2021/2018 IBC Sections 2509.2 and 2024/2021/2018 IRC Sections R503, R602 and R702.4.2 for use as a fiber-cement backer board as tileable base for wall, floor and ceiling installations including wet areas defined in 2024/2021/2018 IBC Section 1210 when installed in accordance with this report. The Allura® Backer product is available in the sizes outlined in Table 1 of this report.

Allura® Backer with Triple Block™ is approved for use with modified dry-set mortar and Type 1 Organic adhesives. Allura® Backer with Triple Block™ is not intended as interior finish in areas defined as wet per Section 2509.1 of the 2024/2021/2018 IBC. Installation in wet area applications requires finishing with materials of smooth, hard nonabsorbent surface. Allura® Backer with Triple Block™ is classified as resistant to fungi growth when evaluated in accordance with ASTM G21.

Allura® Backer with Triple Block™ has a flame spread index of 0 and a smoke developed index of 5 or less in accordance with ASTM E84 meeting Class A requirements.

Table 1. Allura® Backer with Triple Block™ Backer Product Options

| PRODUCTS | THICKNESS | | WIDTH | | LENGTH | |
|-------------------|-----------|------|-------|------|--------|------|
| | inches | mm | ft | mm | ft | mm |
| Allura® Backer | ¼ | 6.4 | 3 | 914 | 5 | 1524 |
| | | | 4 | 1219 | 8 | 2438 |
| | 0.42 | 10.7 | 3 | 914 | 5 | 1542 |
| | | | 4 | 1219 | 8 | 2438 |

3.0 DESIGN:

Allura® Backer with Triple Block™ does not require design when used as a non-load bearing interior substrate for application of tile and decorative finish, or when used as backerboard. Fasteners when used for support of interior decorum, furniture and cabinetry are to penetrate the underlying wall framing and not rely on Allura® Backer with Triple Block™ as the anchorage substrate.



4.0 INSTALLATIONS:

4.1 General:

Installation of Allura® Backer with Triple Block™ must comply with the manufacturer's published installation instructions, this report, and the applicable code(s). Where differences are found, this report and the applicable building code shall be followed.

4.1.1 Special Inspection:

Use of Allura® Backer with Triple Block™ fiber-cement backer boards do not require special inspection.

4.2 General Applications:

Allura® Backer with Triple Block™ is to be installed with a minimum of 1-1/4-inch (31mm) length roofing nail or a No. 8 screw. If using 1/2-inch (38.1mm) Allura® Backer with Triple Block™ use a minimum of 1-1/2-inch (38.1mm) length roofing nail or a No. 8 screw. For vertical installations, fasteners shall be installed at 8-inches (20 cm) on center to studs around the perimeter and in the field. For horizontal installations installation into subfloor or plywood, fasteners shall be installed at 8-inches (20 cm) on center over the entire surface. Ceiling applications require 6-inch (15.2 cm) on center with a or a No. 8 screw with a length a minimum of 1-1/2-inch (38.1mm) long. Fasteners are to be a minimum of 3/8-inches (9.5 mm) from the edge and 2-inches (50mm) from the corner.

5.0 LIMITATIONS:

- Allura® Backer with Triple Block™ is not approved as a tileable substrate for use with ANSI 118.1 non-modified dry-set mortars.
- Allura® Backer with Triple Block™ for use in exterior areas exposed to weather or left exposed in areas defined as wet per Section 2509.1 of the 2024/2021/2018 IBC are outside the scope of this report.
- Allura® Backer with Triple Block™ products are manufactured in White City, OR and Nuevo Laredo, Mexico with inspections by QAI Laboratories.

6.0 SUPPORTING INFORMATION:

The following data has been submitted for evaluation of Allura® Backer with Triple Block™:

- Data outlining Allura® Backer with Triple Block™ compliance for surface burning characteristics evaluated to ASTM E84.
- Data outlining Allura® Backer with Triple Block™ compliance with ASTM C1288, Grade I, for use as backer board and interior finish applications.
- Data evaluating Allura® Backer with Triple Block™ for fungi resistance in accordance with ASTM G21.
- Data evaluating Allura® Backer with Triple Block™ for Modified Dry-Set Mortar and Type 1 Organic Adhesives shear bond.

7.0 MARKING:

An example of Allura® Backer with Triple Block™ finished product label is outlined in Figure 1 below:



Figure 1. Allura® Backer with Triple Block™ Finished Product Label Example



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8.0 ELIGIBILITY OF REPORT

QAI's Code Evaluation Report complies with the 2024 IBC Section 104.2.3.6 for *Alternative materials, design and methods construction*. QAI's Code Evaluation Report complies with the 2021 / 2018 / 2015 IBC Section 104.11 *Alternative materials, design and methods of construction and equipment* subsection 104.11.1 *Research Reports*. Supporting data has been evaluated by QAI for compliance of the noted materials and assemblies to the applicable code by QAI, and *approved* source as detailed below.

The attached report has been reviewed by a QAI Registered Professional Engineer approved by the specific state Board of Professional Engineers noted on the specific P.E. seal(s).

Per section 1703 of the IBC, QAI is an independent third-party testing, inspection and certification agency accredited by the International Accreditation Service, Inc. (IAS) for this specific scope (see IAS PCA-118). QAI can confirm that based on its IAS accreditation it meets IBC Section 1703.1 on Independence, Section 1703.1.2 on Equipment and Section 1703.1 on Personnel.

This Evaluation report has been designed to meet the performance requirements of IBC Section 1703.4 and contains the required information to show the product, material or assembly meets the applicable code requirements.

The product is labeled per section IBC 1703 and subject to follow-up inspection per IBC 1703.6 using QAI IAS accredited ISO/IEC 17020 inspection program (see IAS AA-723).

For more information regarding QAI Laboratories, please visit www.qai.org.



The above is an example of the QAI registered Listing mark. The Listing mark may only be used by the Report Holder per the QAI service agreement on products defined in this report. The 'us' indicator in the 8 o'clock position indicates the product complies with the properties evaluated with limitations outlined in this report for use in the US market. A 'c' indicator in the 4 o'clock position indicates the product has been evaluated for use in the Canadian market.

