

<p style="text-align: center;">DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Housing - Federal Housing Commissioner</p> <p>TO: DIRECTORS, SINGLE FAMILY HOCs DIRECTORS, MULTIFAMILY HUBs</p>	<p>Series and Series Number: MATERIALS RELEASE NO: 411k (Supersedes issue dated February 18, 2011)</p>
	<p>ISSUE DATE</p> <p>November 3, 2016</p>
	<p>REVIEW DATE</p> <p>November 3, 2019</p>
<p>SUBJECT: 1. Product Citadel Prefinished Siding/Panel 15[®]</p> <p>2. Name and address of Manufacturer Citadel Architectural Products, Inc. 3131-A North Franklin Road Indianapolis, IN 46226</p>	

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Exterior panel for walls and mansards with a slope not exceeding 25° from the vertical.

DESCRIPTION:

Panels are 5/16" (nominal) thickness, and are available in a width of 48", and lengths of 96", 120" and 144". Panels are also available in sizes of 60" x 96" and 60" x 120". Aluminum accessories necessary for installation are furnished with the panels. Panels consist of a core 5/16" C-C grade, plugged (GROUP 1 EXT-APA PS 1-09) plywood which is bonded to an exterior facing of .010" (nominal) stucco-embossed sheet aluminum and a balancing backing of .008" (nominal) fiberglass reinforced kraft/foil scrim. Total nominal panel thickness is 0.312". Exterior type adhesive is used for this bonding.

The stucco-embossed exterior aluminum surface is painted with a thermoset polyester finish. These are available in eight standard and ten special order colors. Custom colors are available through inquiry to the manufacturer.

A complete line of painted, color matched moldings are available in both roll-formed and extruded aluminum. Profiles available in .024" roll-formed aluminum are: H-mold, J-mold, Z-mold, water table, brick mold, corner cap, and surface mounted snap on battens. Extruded profiles are: H-mold, J-mold, inside corner and outside corner. Two piece "snap-on" moldings are also available. Molding lengths are 8', 10', and 12'.

REQUIREMENTS:

Plywood shall be 5/16" thick and conform to PS 1-09, Group 1, C-C (plugged), Exterior type.

The aluminum face shall be stucco-embossed, 0.010" thick, alloy 5052-H354. The aluminum back shall be 0.008" fiberglass reinforced kraft/foil scrim.

INSTALLATION:

Installation shall be in accordance with Citadel Installation Instructions Panel 15[®], 7.01.IN.B and the following:

Panels shall span at least three studs. The maximum spacing of studs or other supports shall be 24" o.c. All panel joints shall be on framing members. The walls may be sheathed or unsheathed.

Use 8d annular ring aluminum nails (Citadel designation N-575) or #7 x 1 5.8" Hi-Lo bugle head screws (S-1001) supplied by Citadel. Space the nails a maximum of 6" o.c. 3/8" from panel edge at the panel perimeter, and a maximum of 24" on intermediate members.

Panels installed in accordance with these requirements satisfy the HUD requirements for a braced wall section in new construction. When horizontal shear forces caused by wind and earthquake are calculated, an allowable shear resistance of 188 lbs. per linear foot of wall is permitted for the panels extending the full height of the studs, and spanning at least three studs.

For reduced fastener spacing when the walls have structural sheathing, refer to Panel 15[®] Installation Instructions.

A vapor barrier having an installed water vapor transmission rate not exceeding 0.5 perm shall be provided on the warm side of all closed exterior walls. Provide at least 0.30 square inches of ventilation to the outside at the top and bottom of each stud space.

Space panels a minimum of 1/16" at the panel ends and edges.

Caulk all joints with a high performance sealant recommended by Citadel.

Paint the bottom edges of panels which are exposed to the weather. Use two coats of a heavy aluminum paint, or two coats of a top quality solvent base exterior paint.

LIMITATIONS:

Panel 15® is not recommended for use in areas of heavy industrial pollution, or where it is exposed to salt spray.

PRODUCTION FACILITY:

The following production facility was on-file at the date of issue:

Citadel Architectural Products, Inc.
3131-A North Franklin Road
Indianapolis, IN 46226
Website: www.citadelap.com

The contact person for all matters concerning this Materials Release at Citadel Architectural Products, Inc. shall be:

Christopher Johnson
317-869-1995
cjohnson@citadelap.com

CERTIFICATION AND IDENTIFICATION:


Citadel Architectural Products, Inc. shall certify that each Panel 15® panel meets the requirements of this Materials Release (MR). Citadel Architectural Products, Inc. validates that their quality management system complies with the requirement of ISO 9001:2008. Each plywood panel, conforming to the specifications of this MR, shall be marked with the following information:

- a. The manufacturer's identification by assigned mill number.
- b. The registered APA mark.
- c. PS 1-09, Group 1, C-C (plugged) EXT.
- d. MR 411k

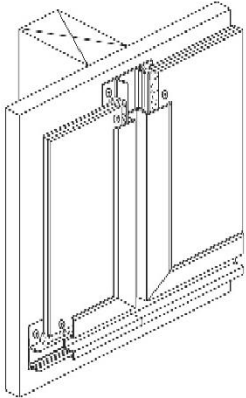
SAMPLE STAMP:

Panel15[®]

PREFINISHED ARCHITECTURAL PANELS



CITADEL
ARCHITECTURAL PRODUCTS



PROTECTIVE FILM must be removed from panel edges prior to applying sealant. The film in the field of the panel must be removed **immediately** after panel installation. Delay will result in difficulties in removal from the painted surface.

EDGE SEALING is critical to proper installation. **All wood edges must be sealed against moisture intrusion.** Use approved sealants only. Failure to properly seal Panel 15[®] will void the standard warranty.

PANEL STORAGE must be in a clean, dry place away from direct sunlight. Please note any shipping damage **immediately** to freight carrier.

FIELD FABRICATION can be performed with standard carpentry tools. Panels may be cut using a carbide-tipped saw.

Questions? Contact our technical staff at (800) 446-8828 or visit www.citadelap.com

Be sure to read, understand and follow all instructions before beginning panel erection. For additional copies of the installation guide, please contact our office.

HUD Material Release Bulletin MR411J

Citadel Architectural Products, Inc., 3131-A North Franklin Rd., Indpls, IN 46226

WARRANTY:

Citadel Architectural Products, Inc. shall provide the owner with the following limited warranty:

Performance of Panels:

Panel 15® is warranted to be free from delamination (glue-line separation) for 5 years of original installation. Should the product not comply with this warranty, Citadel will, at its option, repair defective panels in place, furnish and install replacement panels, or make a fair allowance thereof – refer to Citadel Panel 15® Product Warranty.

Performance of Finish:

The finish on Panel 15® is warranted to be free from defects in materials (peeling, blistering, checking and flaking of paint film) for 5 years from original installation. Should the finish not comply with this warranty, Citadel will, at its option, refinish defective panels in place, furnish and install replacement panels, or make a fair allowance thereof – refer to Citadel's Panel 15® Product Warranty.

Conditions:

Citadel must be given written notice within 30 days after discovery of defective panels, and a reasonable opportunity to inspect the panels prior to alteration or repair.

Exceptions:

The warranty does NOT cover items state in Citadel's Panel 15® Product Warranty and the following:

1. Installation or maintenance not complying with Citadel's Panel 15® Installation Instructions, 7.01.IN.B . (Obtain 7.01.IN.B in shipping units, from sales representative or by writing to the service address.)
2. Damage from abuse, abrasion, impact or other physical force.
3. Corrosion by moisture/vapor intrusion or entrapment. (See installation instructions on proper caulking, joint sealing, etc.)
4. Exposure to salt spray, chemical atmospheres or industrial pollution.
5. Installation at more than 25 degrees from vertical in mansard or similar exterior locations.
6. Gradual changes in color value due to weathering.

Warranty Coverage:

1. Warranty applies only to installations in continental United States and Canada (specially prepared warranties can be extended elsewhere). Purchasers of Panel 15® from Citadel automatically receive this warranty. It may be extended upon resale of the product or of property to which the product is attached, in which case claims must be processed through the intermediate parties.
2. This warranty requires strict compliance with Citadel's installation and maintenance instructions, and conditions and exceptions herein noted. Citadel is not responsible for damage or unsatisfactory performance caused by others. Its sole responsibility is as stated herein, and it shall not be liable for consequential, indirect or incidental damages.
3. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights; and you may also have other rights that vary from state to state.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this MR commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Manufactured Housing Programs, HUD Headquarters, with a representative list of properties, in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.
5. The manufacturer's warranty does not relieve the builder, in any way, of responsibility under the terms of the Builder's Warranty required by the National Housing Act, or under any provisions applicable to any other housing program.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of the MR shall apply for a renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to:

U. S. Department of Housing and Urban Development
Office of Manufactured Housing Programs
451 7th Street, SW, Room 9168
Washington, DC 20410-8000

Appropriate User Fee(s) for the TSP program can be submitted through the Pay.gov website at <https://pay.gov/public/form/start/73881741>

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revision may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of this MR. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

This Materials Release is issued solely for the captioned firm, and is not transferable to any person or successor entity.
