ULTRALOX®
INTERLOCKING TECHNOLOGY



ALUMINUM PICKET RAILING
PRODUCT DATA SHEET

GENERAL

ULTRALOX INTERLOCKING® ALUMINUM RAILING is available in AAMA 2604-2605 Powder Coated Aluminum.

OVERALL DIMENSIONS

System height: 42" minimum from mounting surface to top of rail per IBC Code, 36" minimum from mounting surface to top of rail per IRC Code. Post heights subject to desired aesthetics.

Railing spans: Limiting span variables may be subject to specific project details.

Base footprint: Determined by desired aesthetics/condition specifics.

2" post base: 4" x 4"
3" post base: 5" x 5"

MATERIALS

Aluminum
Posts: Aluminum 6005A-T5
Rails: Aluminum 6063-T6
Fittings: 5052-H32
Base plate: A369 Cast Aluminum
Fasteners: Stainless Steel 300 series

BUILT IN THE USA
ULTRALOX INTERLOCKING® TECHNOLOGY
2955 LONE OAK DRIVE, SUITE 180 EAGAN, MN 55121
888-685-4005 INFO@ULTRALOX.COM ULTRALOX.COM



CODE COMPLIANCE

U.S. International Building Code 2012/2015/2018
U.S. International Residential Code 2012/2015/2018

PERFORMANCE REQUIREMENTS

All railings shall be supplied to conform to applicable sections of the following codes:

International Building Code
International Residential Code

STRUCTURAL PERFORMANCE

Railings to be in accordance with AC273 and supporting documents as described:

Infill:

Horizontal concentrated load of 50 lbf. applied with 2.5X safety factor for rigid substrates, 3X safety factor for flexible substrates, to 1 sq. ft. at any point in system, including panels, intermediate rails, balusters, or other elements composing infill area. Load on infill area need not be assumed to act concurrently with loads on top rails.

Uniform load of 50 lb/ft. applied horizontally and vertically.

-2.5X safety factor for rigid substrates, 3X safety factor for flexible substrates.

Concentrated load of 200 lb/lf. applied horizontally and vertically at midspan, adjacent to post and at top of post.

-2.5X safety factor for rigid substrates, 3X safety factor for flexible substrates.

Uniform and concentrated loads need not be assumed to act concurrently.

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