

ALPA ONTARIO RAILING  
MITTEN

# Alpa Vinyl Railings

SKU: MITTEN-VINYL-RAILINGS

## WARRANTY

5-Year Limited Warranty (material/  
manufacturing, original purchaser only, not  
transferable)

## COLOURS

4 available

## PROFILES

Classic · Classic Deco · Executive ·  
Executive Glass · Modern Glass · Estate X-  
Series

Alpa Vinyl Railings from Mitten bring lasting, low-maintenance style to Canadian decks, porches, and entranceways. Manufactured by Alpa Ontario Railing Inc., these code-compliant vinyl railings never need painting or staining and install quickly over a structural post. Choose from six profile lines — the timeless Classic, decorative Classic Deco, premium Executive, open-view glass series, or bold Estate X-Series — all meeting OBC and NBC height and spacing requirements. Backed by a 5-Year Limited Warranty.

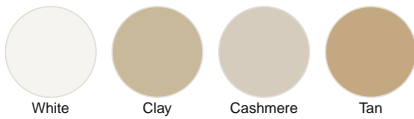
## Key Features

- Maintenance free — vinyl never needs painting, staining, or sealing
- 6 profile series: Classic, Classic Deco, Executive, Executive Glass, Modern Glass, Estate X-Series
- Glass series uses 6mm tempered glass panels for unobstructed views
- Max post spacing 8'-0" (baluster) and 6'-4" (glass) center to center
- Concealed fastener system for clean finished appearance
- Accessories: newel posts, post caps, post skirts, stair rail kits
- Will not rot, rust, or deteriorate
- 1400 Series: 4"×4" post, 2 7/8" handrail, 1 3/8" baluster
- Heights of 35" and 42" — code compliant per OBC 2006 and NBC 2005
- Baluster spacing max 3-3/4" between outside faces — code compliant
- Available in White, Clay, Cashmere, and Tan
- 5-Year Limited Warranty (material and manufacturing, non-transferable)

## Available Colours

VINYL

4 colours



White

Clay

Cashmere

Tan

## Profiles & Specifications

### 1400-CL

Classic

The Alpa Classic vinyl railing delivers a timeless look suited to a wide range of Canadian homes. Built on the 1400 Series platform, it features a square 4"x4" vinyl post sleeve, wide 2 7/8" top handrail, and 1 3/8" square balusters spaced to meet building code. The concealed fastener system keeps exposed hardware to a minimum and makes for a clean, finished appearance. Available in White, Clay, Cashmere, and Tan. OBC and NBC compliant.



Series	1400 Classic
Post Size	4" x 4" square vinyl post sleeve
Top Handrail	2 7/8" wide
Baluster Size	1 3/8" x 1 3/8" square
Baluster Spacing	3-3/4" max between outside faces
Max Span (Baluster)	92" (2337mm)
Heights	35" (decks "d1.8m above grade), 42" (>1.8m above grade)
Colours	White, Clay, Cashmere, Tan

### 1400-CD

Classic Deco

The Alpa Classic Deco is a decorative variant of the Classic series that adds visual interest with shaped or routed baluster profiles while retaining the same 1400 Series post and rail dimensions. It brings a touch of architectural character to porches and decks without sacrificing the easy assembly and code-compliant performance of the Classic line. Available in White, Clay, Cashmere, and Tan.



Series	1400 Classic Deco
Post Size	4" x 4" square vinyl post sleeve
Top Handrail	2 7/8" wide
Baluster Style	Decorative profile
Baluster Spacing	3-3/4" max between outside faces
Heights	35" (decks "d1.8m above grade), 42" (>1.8m above grade)
Colours	White, Clay, Cashmere, Tan

### 1400-EX

Executive

The Alpa Executive railing offers an upgraded aesthetic with a more substantial profile while maintaining the same 1400 Series structural platform. Heavier handrail and post dimensions give it a premium, high-end appearance that elevates the look of upscale porches, decks, and entranceways. Code-compliant for Ontario and National Building Codes.



Series	1400 Executive
Post Size	4" x 4" square vinyl post sleeve
Heights	35" (decks "d1.8m above grade), 42" (>1.8m above grade)
Colours	White, Clay, Cashmere, Tan

**1400-EG**

**Executive Glass**

The Alpa Executive Glass combines the premium Executive profile with 6mm tempered glass panels in place of balusters, creating a modern, open look that maximizes sight lines. The glass panels are retained in a channel system without exposed hardware. Maximum post spacing is reduced to 6'-4" center to center for glass sections. Available in White.



Series	1400 Executive Glass
Post Size	4" x 4" square vinyl post sleeve
Glass	6mm tempered glass panels
Max Span (Glass)	72" (1830mm)
Max Post C/C (Glass)	6'-4" (1930mm)
Heights	35" (decks "d1.8m above grade), 42" (>1.8m above grade)
Colours	White

**1400-MG**

**Modern Glass**

The Alpa Modern Glass railing has a clean, contemporary design featuring 6mm tempered glass panels set in a low-profile aluminum channel system. The minimal top rail and frameless glass appearance make it ideal for modern homes and cottages where unobstructed views are a priority. Maximum post spacing is 6'-4" for glass sections.

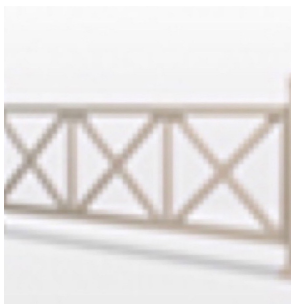


Series	1400 Modern Glass
Post Size	4" x 4" square vinyl post sleeve
Glass	6mm tempered glass panels
Max Span (Glass)	72" (1830mm)
Max Post C/C (Glass)	6'-4" (1930mm)
Heights	35" (decks "d1.8m above grade), 42" (>1.8m above grade)
Colours	White

**1400-EX-S**

**Estate X-Series**

The Alpa Estate X-Series is the premium tier of the 1400 lineup — featuring a bold X-pattern baluster design that adds sophisticated architectural detail to high-end residential decks, porches, and entranceways. The substantial vinyl post and wide top rail project a solid, upscale presence that pairs well with craftsman, traditional, and estate-style homes.



Series	1400 Estate X-Series
Post Size	4" x 4" square vinyl post sleeve
Baluster Style	X-pattern decorative
Heights	35" (decks "d1.8m above grade), 42" (>1.8m above grade)
Colours	White, Clay, Cashmere, Tan

## Certifications & Testing Standards

Alpa Vinyl Railings meets or exceeds the following Canadian and international performance standards.

- Manufactured by Alpa Ontario Railing Inc. — proudly Canadian
- Complies with Ontario Building Code (OBC) 2006, Section 9.8.8.2(1)
- Complies with National Building Code of Canada (NBC) 2005
- 5-Year Limited Warranty on material and manufacturing defects — original purchaser only, not transferable
- Warranty claims: contact Mitten Building Products — 1-800-561-3100

## Compatible Accessories

### Newel Post — 78" (Fence)

4" x 4" x 78"

4"x4" vinyl post cover over galvanized steel insert. Includes decorative post cap and two-snap vinyl base skirt. For fence applications. Available in White, Cashmere, and Tan.

### Newel Post — 14" (Railing End/Corner)

4" x 4" x 14"

4"x4" vinyl post cover over galvanized steel insert. Includes decorative post cap and two-snap vinyl base skirt. For porch and deck railing ends and corners. Available in White, Cashmere, and Tan.

## Installation Guide

- 1 **BUILDING CODE HEIGHT** — Confirm the required railing height before installation. Decks 1.8m or less above grade require a minimum 35" (889mm) railing height. Decks more than 1.8m above grade require a minimum 42" (1067mm) railing height. Complies with OBC 2006 Part 9 Division B and NBC 2005 Section 9.8.8.2(1). Always verify current local building code requirements before starting.
- 2 **POST SPACING AND OPENING LIMITS** — Plan post (newel post) locations so that center-to-center spacing does not exceed 8'-0" for baluster sections or 6'-4" for glass sections. The maximum opening between post covers (outside surface to outside surface) is 92" for baluster sections and 72" for glass sections.
- 3 **POST REINFORCEMENT INSTALLATION** — The kit includes a steel post reinforcement that slides inside the PVC post cover. ALWAYS install the post reinforcement so that the gap in the reinforcement faces AWAY from the direction of load (i.e. away from the side a person would lean). Failure to orient the gap correctly reduces structural performance. Use four 3/8" x 6" zinc-plated hex-head lag screws with washers to attach the post to a wood substructure, or four Simpson Wedge-All 3/8" x 3-3/4" anchors (torqued to 30 ft/lbs) for concrete. NOTE: Lag screws and concrete anchors are NOT included with the kit and must be sourced separately.
- 4 **SNAP ON POST SKIRT** — After setting the post and before installing rails, snap the two-part vinyl post skirt onto the base of each post. The skirt covers the base hardware and provides a finished appearance at the deck surface.
- 5 **CUTTING RAILS TO LENGTH** — Measure the distance (top and bottom) between posts and cut both the top rail retainer and bottom rail retainer to fit. Use a chopsaw with a 10" blade (60 teeth recommended). If rails need to be shortened, cut symmetrically from both ends — for example, to shorten by 3", cut 1-1/2" from each end. Do not cut balusters — they are supplied at a fixed length.
- 6 **BOTTOM POST SCREW AND L-BRACKET SETUP** — Drive a #10, 3/4" self-drilling Tek screw into the post cover and reinforcement at the bottom rail height. Loosen the screw 1/8 of a turn so it remains slightly exposed — the rail L-brackets will slide onto this exposed screw. Separately, screw #6, 3/8" self-drilling screws through the L-brackets into the ends of the bottom rail retainer.
- 7 **BOTTOM RAIL INSTALLATION** — With the L-brackets attached to the bottom rail retainer ends, slide the L-brackets down onto the exposed bottom post screws at each post. Ensure the bottom rail is level across the full span before proceeding.
- 8 **BALUSTER SPACING AND INSTALLATION** — Calculate the number of balusters required so that no gap between outside faces of adjacent balusters exceeds 3-3/4" (95mm). Space balusters evenly across the section. Snap balusters into the bottom rail channel, then fit the top rail assembly over the baluster tops.
- 9 **TOP RAIL ATTACHMENT** — Secure the top rail into place using #10, 3/4" self-drilling Tek screws — four screws per post connection. After the structural rail is fastened, snap the decorative top (hand) and bottom rail covers into place over the rail retainers.
- 10 **GLASS PANEL INSTALLATION (GLASS SERIES)** — Insert 6mm tempered glass panels into the bottom rail channel with a vinyl gasket. Handle glass carefully — wear gloves and do not impact edges. After glass is in place, fit the top rail over the glass. Once complete, cut the glass rail track filler to length and install it at each of the four ends of the glass section.
- 11 **POST CAP INSTALLATION** — Apply standard PVC glue or silicone adhesive to the inside lips of the post cap, then press the cap firmly onto the top of the post. For newel posts, glue the inside lips of the newel post cap and place on the newel post. Seat caps fully using a rubber mallet if needed.
- 12 **STAIR RAILING** — For stair applications, the mounting 'L' brackets must be manually bent to match the stair slope angle — rails themselves are not cut at an angle. Confirm the required handrail height for stair applications with local building code before installation.
- 13 **WALL CONNECTION** — When a railing run ends at a wall (brick veneer, stone, stucco, or siding), connect the railing to a newel post anchored at the wall. For brick veneer walls, a post is required at minimum every 5'-0" measured above the foundation wall.
- 14 **MAINTENANCE AND WARRANTY** — Alpa vinyl railings are maintenance free and do not need to be painted. PAINTING THE PRODUCT WILL VOID THE WARRANTY. Lags or concrete anchors are not included with the kit — fasteners used to install newel posts and railing sections must be sourced separately.



# MITTEN

## Ready to order?

Submit your spec list and we'll respond with pricing and availability - usually within one business day.

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