

IMPERIAL KOOL-RAY  
MITTEN

# Imperial Aluminum Railings

SKU: IMP-KOOLRAY-RAILING

## WARRANTY

20-year materials · 5-year paint · 2-year plastic

## COLOURS

6 available

## PROFILES

Monarch RTA · Monarch for Glass · Vision Glass

Imperial Kool-Ray Aluminum Railings offer a maintenance-free, code-compliant solution for deck, porch, balcony, and stair guarding. Available in Monarch Ready-to-Assemble (baluster), Monarch for Glass, and Vision Glass systems, these powder-coated aluminum railings never rust, warp, or require painting. Heights from 32" to 42", max span 72", six colours, and backed by stamped engineering drawings meeting NBC 2010 and OBC 2012.

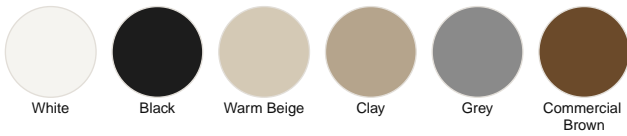
## Key Features

- Stronger and more durable than wood or vinyl
- 3 systems: Monarch RTA (balusters), Monarch for Glass, Vision Glass
- Post sizes: 2"x2" · 3"x3" · 4"x4"
- Stamped PE engineering drawings (NB and ON)
- 20-yr materials warranty · 5-yr paint warranty · 2-yr plastic warranty
- Maintenance free — no painting, staining, or rust
- Heights: 32" / 36" / 42"; max span 72" between posts
- Meets NBC 2010 and OBC 2012 national building codes
- 6 colours including White, Black, Warm Beige, Clay, Grey, Commercial Brown
- Gate kit available (48"x59") — meets Quebec pool safety act

## Available Colours

### ALUMINUM

6 colours



## Profiles & Specifications

### MONARCH-RTA

Monarch Ready-to-Assemble Kit

Complete snap-in baluster railing system for decks, porches, balconies, and walkways. Snap-in spindles require no drilling for assembly. Available heights 36" and 42"; kit lengths 46", 59", and 72". Colours: White and Black.



Heights	36" (91.4 cm) · 42" (106.7 cm)
Kit Lengths	46" · 59" · 72" (max span 72")
Post Sizes	2"x2" · 3"x3"
Spindle	5/8"x5/8" snap-in (3-7/8" max opening)
Colours	White · Black
Accessories	Post ball cap · Angular adapter · Gate kit (48"x59")
Warranty	20 yr materials · 5 yr paint · 2 yr plastic

### MONARCH-GLASS

Monarch Kit for Glass

Glass panel variant of the Monarch kit. Uses the same post and rail system with a bottom glass support track and anchor screws replacing the snap-in balusters. Compatible with 5mm tempered or heat-soaked tempered glass panels in widths from 8" to 66".



Heights	36" (91.4 cm) · 42" (106.7 cm)
Max Span	72" between posts
Glass	5mm tempered or heat-soaked tempered
Panel Widths	8" to 66" (8 lengths available)
Glass Options	Clear · Tinted Grey · Bronze
Fasteners	1/2" natural screws KR7539 (3-4 per panel)
Colours	White · Warm Beige · Clay · Black
Warranty	20 yr materials · 5 yr paint · 2 yr plastic

### VISION-GLASS

Vision Glass Railing

Dedicated glass railing system designed for a clean, open look on decks and balconies. Available in 32", 36", and 42" heights. Glass options include Clear, Tinted Grey, and Bronze. Colours: White, Warm Beige, Clay, Black.



Heights	32" · 36" · 42"
Max Panel Height	69" MAX
Glass	Min. 5mm tempered (Clear · Tinted Grey · Bronze)
Colours	White · Warm Beige · Clay · Black
Warranty	20 yr materials · 5 yr paint · 2 yr plastic

## Certifications & Testing Standards

Imperial Aluminum Railings meets or exceeds the following Canadian and international performance standards.

- Meets NBC/CNRC NBCC 2010 (National Building Code of Canada) — Section 9.8.8 Guards; Section 4.1.5.14 Loads on Guards
- Meets OBC 2012 (Ontario Building Code)
- Stamped engineering drawings by Registered Professional Engineers: Province of New Brunswick (#M6135) and Province of Ontario (#100448310)
- 20-year warranty on materials and manufacturing defects; 5-year paint finish; 2-year plastic components
- Will not warp, crack, fade, or rust — maintenance free, no painting or staining required
- Gate kit available (48"×59") — meets Quebec Residential Swimming Pool Safety Act
- Manufactured by Imperial Kool-Ray / Imperial Manufacturing Group, Richibucto NB
- Distributed in Canada through Mitten Inc.

## Installation Guide

- 1 STEP 1 — Position posts at the appropriate locations. Set post base 1-1/2" (3.8 cm) from the outside edge of the deck or steps; 1/2" from the outside edge when adjacent to a wall. A plastic moisture gasket is required between each post base and the deck surface.
- 2 STEP 2 — Fix the spindle fittings to the post with 4x #8-18 x 1-1/4" TEK screws (2 per side). Lower the fittings if the surface is not level — the fitting position determines the rail height.
- 3 STEP 3 — For stairways: use a stair post at the base and a mounting post at the top. Mark and confirm the spindle fitting height on each stair post before driving screws, accounting for the stair angle.
- 4 STEP 4 — Join the railing sections to the fitting system, holding the rail firmly against the post face on both sides.
- 5 STEP 5 — Fasten the top and bottom railing to each spindle fitting with 4x #8-18 x 1/2" TEK screws (1 screw per side). For 42" or higher railings, also secure each spindle to the rails with #8-18 x 1/2" TEK screws on the outside surface.
- 6 STEP 6 — Insert snap-in spindles from the center of the span outward. Use 3-7/8" (9.8 cm) spacers to maintain code-compliant baluster spacing. Cut the last spacers to fit with a hacksaw.
- 7 STEP 7 — Once all sections are aligned and adjusted, fasten each post to the deck surface using appropriate mounting anchors for your substrate (wood, concrete, or fascia — anchors not included).
- 8 STEP 8 — Snap the rivet-covers into place and seat them flush with a rubber mallet. Install base cover caps to all posts to complete the installation.



# MITTEN

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