

Vinyl Handrail Covers





Our History

Euro Architectural Components (EAC) is an all-Canadian company, established in 1955. Our corporate philosophy has always been to meet the needs of our customers by providing the best in service and quality. EAC is the largest distributor, manufacturer, and installer of vinyl handrail coverings, specializing in P.V.C. profile extrusions and plastics fabrication. Additionally, EAC supplies a wide range of ornamental components for the railing, fencing, and furniture industries. This division of EAC offers ornamental castings, steel forgings, and many other related components, available in our additional catalogues.

Our team of highly skilled craftsmen has manufactured and installed vinyl handrails for various facilities, including commercial buildings, residential homes, hospitals, schools, airports, theme parks, and more. Our customer service representatives are pleased to answer your inquiries and offer helpful suggestions. No project is too small or too large for us. Regardless of the job size, we will prepare a competitive quote. Throughout our continued growth, we have never forgotten the main ingredient of our success: **"SERVICE AND QUALITY."**

Quality & Assurance

Alkurail enhances the decor of modern buildings, making it ideal for prestigious office buildings, banks, hospitals, civic institutions, churches, airport terminals, schools, apartments, shopping plazas, restaurants, hotels, private homes, department stores, and more. It combines a fire-resistant, pleasant-to-touch surface that provides a secure grip at all times. Alkurail is easy to maintain, requiring no polishing—just a damp cloth to remove fingerprints and dust.

Available in 22 decorative colors, Alkurail can also be custom-made to match specific decors. It is up to 30% less expensive than imported handrails, yet unmatched in quality due to Canadian ingenuity.

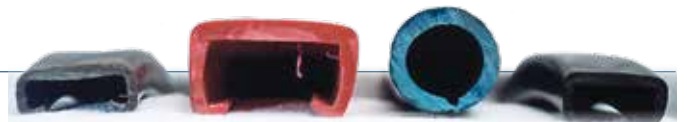
During installation, Alkurail is properly cleaned and polished. For routine cleaning, use a damp cloth to remove dust and fingerprints. For grime and grease, a mild detergent solution can be used. Do not apply wax; only use a clean, damp cloth.

Product & Applications

Alkurail is a decorative, thermoplastic covering for standard metal handrails, produced by extruding a blend of specially formulated P.V.C. compound and color pigments. It supports creative railing designs and is available in various colors and profiles. Alkurail provides a firm, safe grip and a pleasant touch. Its glossy, wear-resistant finish is easy to maintain, with color extending through the material, preventing fading or yellowing (except for Gold, Silver, and Metallic Blue, which are affected by UV rays).

Alkurail can cover stair, corridor, or other hand railings, checking counters, bumper guards, or cart handles. It resists nicks and impacts and can be applied over metal or adequately supported wooden bases, suitable for offices, institutions, and residences. Alkurail is ideal for functional or decorative purposes, available in colors that complement most decors. It provides a safe grip, reduces the hazard of metal burrs or slivers, and protects walls and doors from damage when used as a bumper.

Primarily intended for interior use, Alkurail can also be used in limited exterior applications. Avoid excessive sunlight or extreme temperatures. Metallic Gold AP32, Metallic Blue AP38, and Silver AP20 are not recommended for outdoor use.



Design

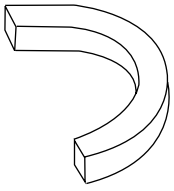


fig.1

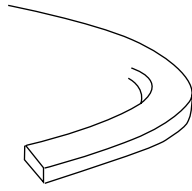


fig.2

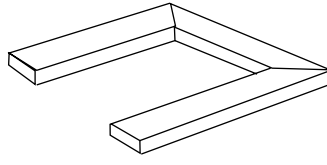


fig.3

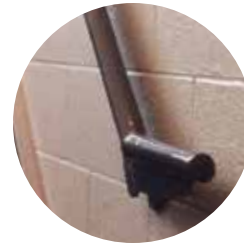


fig.4



fig.5

Alkurail profiles are designed to fit standard flat bars, channels, and pipes, and can be used on both curves and straight runs. Curved turns (**fig.1**) are preferable to angle turns (**fig.3**) as they eliminate the need for cutting and welding. Note: Our vinyl tubing for covering pipe rails can only be installed in mitered corners, not over continuous returns (**fig.3**).

The minimum inside radius of a lateral curve should be twice the width of the supporting rail. For compound curves (**fig.2**), the minimum radius decreases with the steepness of the slope. It's recommended to use radii greater than the minimum for easier application and a more attractive finish.

Alkurail sections can be welded for a seamless look, though metallic colors may show a dark welding seam. End caps are essential for a finished appearance and to secure the Alkurail (**fig.4**). For wall-mounted handrails with a return to the wall, leave at least one inch of clearance between the rail end and the wall for proper end cap application and easier wall cleaning (**fig.5**).

Installation

Our expert installation crews ensure perfect handrail top installations, saving both time and labour.

STEP #1 - MOUNTING: Heat the plastic handrail to about 170°F to make it pliable. For short installations, hot water works, but the Bicotherm hot air blower is most efficient (**Fig.6**). Guide the handrail through the hose for flexibility (**Fig.7**). Open the lateral rims (**Fig.6**), hook the handrail onto the flat bar or U-Channel, and press it by hand. As it cools, the handrail will contract and tighten onto the banister.

For narrow bends (minimum inside distance twice the width of the flat bar), heat the handrail longer for maximum flexibility. Stretch the handrail on the outside during installation to prevent wrinkles on the inside. Use masking tape around the bend immediately after installation until the material cools. This process requires experience and should be practiced in the workshop first.

STEP #2 - WELDING: Heat handrails above 250°F to soften them like wax. For continuous runs, mitered joints, and fitting end caps, weld Alkurail before installation using a welding blade (**Fig. 8 & 13**). After measuring and cutting (**Fig. 13**), place the cut ends against the welding blade until the P.V.C. melts. Slide the heated ends off the blade and press them together for at least ten seconds to form a thick seam. Clean the blade immediately. Allow the seam to cool, then trim excess and file rough edges (**Fig. 10 & 11**).

STEP #3 - POLISHING: After installation, clean and polish Alkurail with tetrahydrofuran (**Fig.12**). Apply the polishing liquid carefully, as prolonged exposure will dissolve the handrail. Soak a rag in the liquid and wipe the handrail quickly. Avoid a second application to prevent a blurred finish.

Custom Orders

Special profiles and colours can be made to order. Please feel free to contact us for more information.



fig.6



fig.7



fig.8



fig.9



fig.10



fig.11

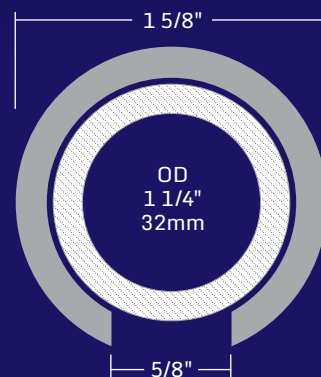
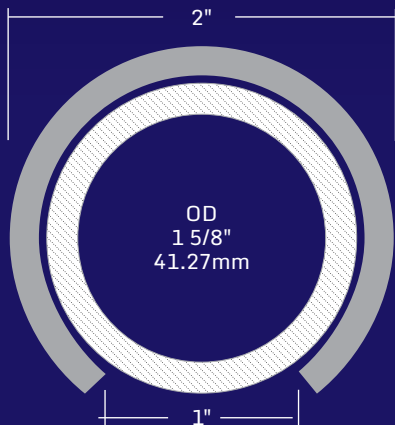
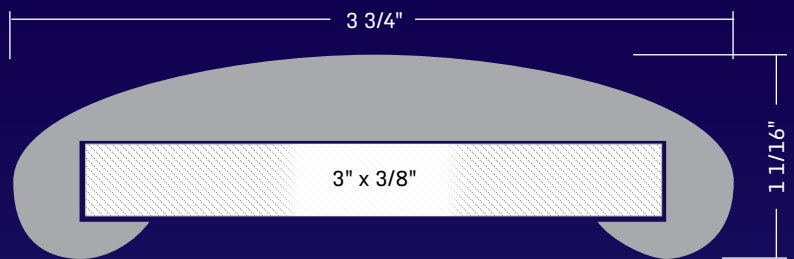
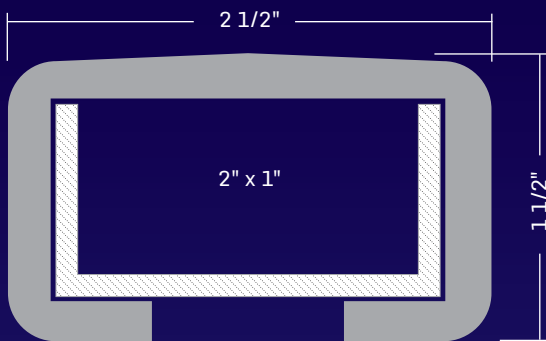
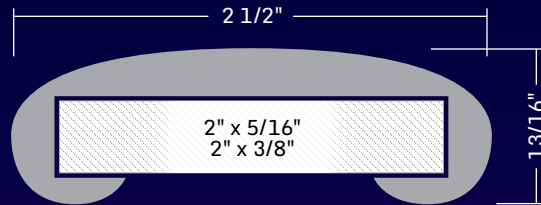
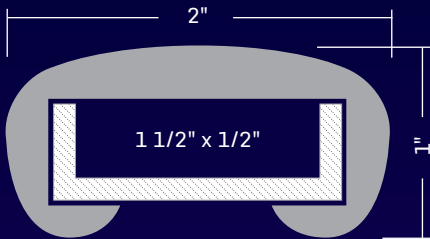
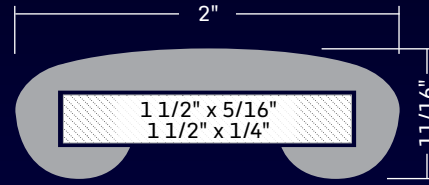
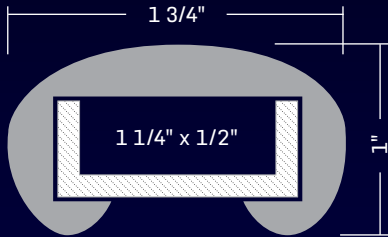
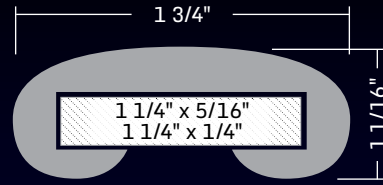
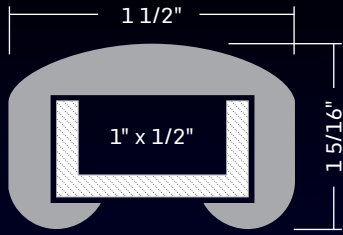


fig.12



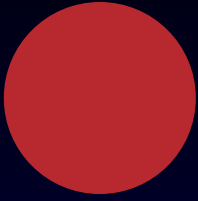
fig.13

Profiles

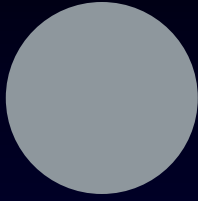


Colours

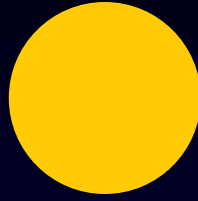
Colours may not be accurate due to factors beyond our control including printing and lighting. Please ask for samples.



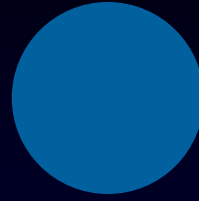
AP18
RED



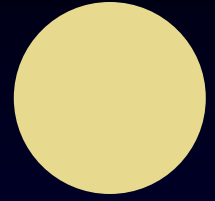
AP20
SILVER



AP22
YELLOW



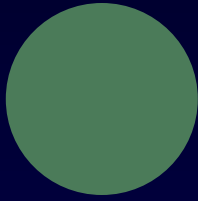
AP24
ROYAL BLUE



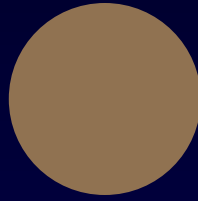
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IVORY



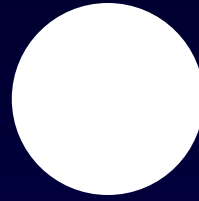
AP28
GREY



AP30
GREEN



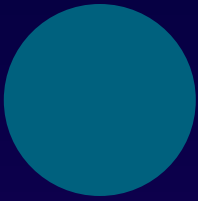
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GOLD



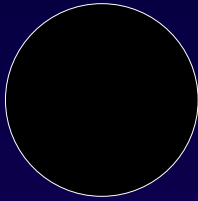
AP34
WHITE



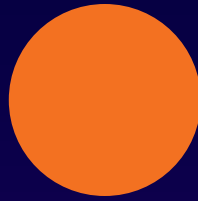
AP36
BROWN



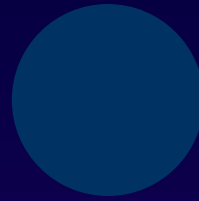
AP38
METALLIC BLUE



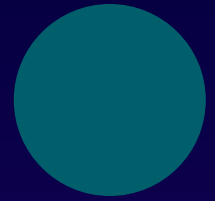
AP40
BLACK



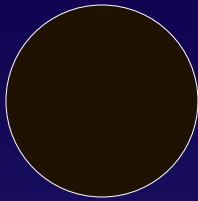
AP42
ORANGE



AP44
NAVY BLUE



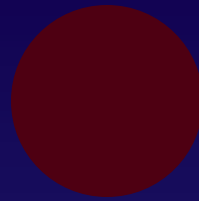
AP46
TURQUOIS



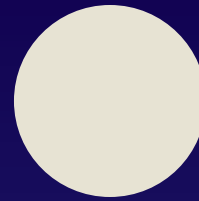
AP48
CHOCOLATE



AP50
BATTLE GREEN



AP52
BURGUNDY



AP54
BEIGE



AP56
DARK OAK



AP58
LIGHT OAK



AP60
MAHOGANY



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