

# Koroseal Wall Protection Systems

## Korogard® HS50/LS50 Handrail



Constructed from sturdy aluminum, the **KOROGARD** HS50 and LS50 Handrails are 5-1/2" and 5-1/4" (139.7mm and 133.35mm) tall respectively and available in three powder coated textures: Black Texture, Silver Texture, and Silver Stratum. Button caps are available in a wide variety of colors and cover the mounting hardware on the surface of the main rail.

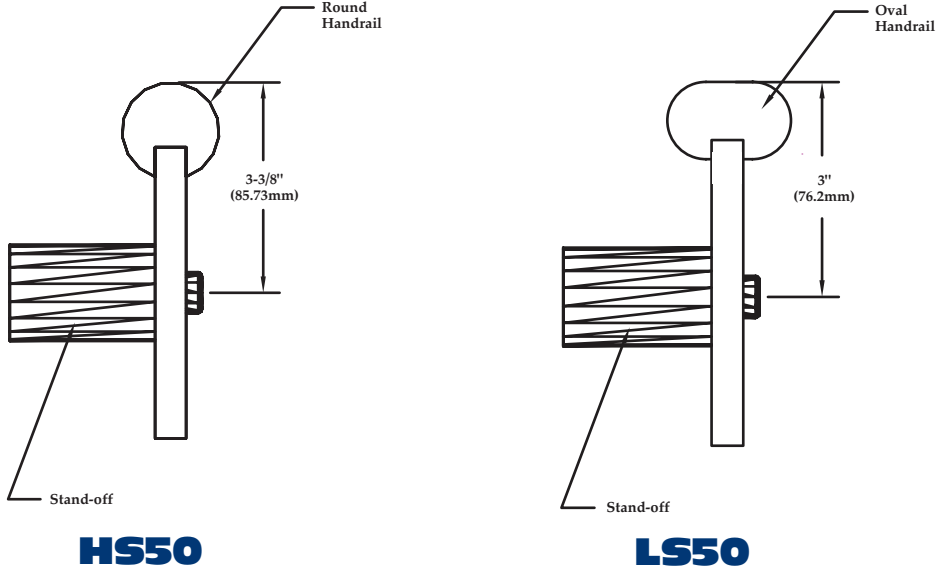
The HS50 (round top cap) and LS50 (oval top cap) are available in Red Oak or Maple wood, and four finishes:

- Cherry
- Clear Varnish
- Field Finish
- Red Oak

**NOTE:** Cherry, Ash, Poplar, and Eucalyptus are also available and can be stained to specification.

**KOROGARD** HS50 and LS50 Handrails are backed by a limited five-year warranty. All Handrails meet national building code standards.

For more information on **KOROGARD** Handrails or the **KOROSEAL** Wall Protection System, please call your local **KOROGARD** distributor or 800-628-0449.



# Product Guide Specification

## SECTION 10 26 00 HANDRAILS

### PART 1 GENERAL

#### 1.01 SUMMARY

Section Includes:  
Handrail Systems.

#### 1.02 SUBMITTALS

- A. Comply with Section 01 33 00.
- B. Product Data: Submit manufacturer's product data.
- C. Shop Drawings: Submit shop drawings showing components, dimensions, and mounting details.
- D. Samples: For selection of models, colors, patterns, and finishes.  
12-inch (300mm) long samples of each type handrail required.

#### 1.03 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain handrail system components from a single source.
- B. Deliver materials in original factory wrappings and containers, clearly labeled with manufacturer and brand name.
- C. Store materials in original undamaged packages and containers inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
  1. Maintain room temperature within the storage area between 60°F and 80°F (16°C and 27°C) during the period plastic materials are stored. Keep materials out of direct sunlight to avoid excessive surface temperatures.
  2. Store handrail materials in a horizontal position for a minimum of 72 hours, or until the materials attains the ambient room installation temperature of between 65°F and 75°F (18°C and 24°C).

#### 1.04 PROJECT CONDITIONS

- A. Maintain ambient temperature within building at not less than 65°F (18°C) or greater than 75°F (24°C) for a minimum 72 hours prior to beginning of installation.
- B. Do not install handrail system components until the space is enclosed, weatherproof and climate controlled.
- C. Do not install handrail systems until temperature is stable and permanent lighting is in place.

#### 1.05 MAINTENANCE

Maintenance Instructions: Include precautions against cleaning materials and methods that may be detrimental to finishes and performance.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURER

Koroseal Wall Protection Systems,  
A Division of RJF International Corporation.

#### 2.02 HANRAIL SYSTEMS

Koroseal's "Korogard" Models HS50 / LS50: Modular handrail system supplied factory-fabricated, -finished, and -assembled for installation with supplied mounting blocks.

1. Wood: Round (HS50) or Oval (LS50). Select species and stain from manufacturer's selection.
2. Rail: Powder-coated aluminum. Select from manufacturer's selection.
3. Stand-Offs: Round aluminum.

#### 2.03 MATERIALS

- A. Solid Wood Components: Shall be kiln dried FAS grade hardwood. All wood components shall be factory finished.
- B. Aluminum Rail: Extruded 1/4" (6.35mm) thick 6063-T6 alloy.
- C. Aluminum Stand-Offs: Extruded 6063-T6 alloy.

#### 2.04 FINISHES

- A. Wood Finish: Handrail shall be factory -stained and -finished with two coats of catalyzed, clear conversion varnish.
- B. Aluminum Finish: Powder-coated (Rail Only).  
Mill (Stand-Offs Only).

#### 2.05 FABRICATION

- A. Comply with requirements indicated for design, dimensions, details, finish, and member sizes.
- B. Factory-assemble components to the greatest extent possible. Disassemble only as necessary for shipping and handling.
- C. Fabricate components with tight seams and joints. Provide surfaces free of wrinkling, chipping, uneven coloration, dents, and other imperfections. Fabricate units and fittings to produce flush, smooth, and rigid hairline joints.

### PART 3 EXECUTION

#### 3.01 PREPARATION

- A. Provide horizontal structural blocking/back-up in wall to accept fasteners.
- B. Provide field "as-built-and-measured" cut-list to factory for fabrication of rail sections.
- C. Allow eight weeks for manufacture and supply of handrail.

#### 3.02 EXAMINATION

- A. Examine areas and conditions in which wall surface protection components and wall protection systems will be installed.
- B. Complete finishing operations, including painting, before beginning installation of wall surface protection system materials.
- C. Wall surfaces shall be dry and free from dirt, grease, loose paint, and scale.
- D. Do not proceed with installations until unsatisfactory conditions have been corrected.

#### 3.03 INSTALLATION

- A. Install handrail units plumb, level, and true to line without distortions.
- B. Do not use materials with chips, cracks, voids, stains, or other defects that might be visible.
- C. Install units in strict accordance with the manufacturer's instructions.
- D. Attachment hardware (supplied by others) shall be appropriate for wall construction.
- E. Where splices occur in horizontal runs of over 10-12 feet (3-4m), splice applicable components at staggered locations along the run.

#### 3.04 CLEANING

Clean rails and accessories in accordance with manufacturer's recommended methods.



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WALL PROTECTION SYSTEMS

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