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> Metty Metal 4-Step Outdoor/Indoor Stair Handrail with Balusters (White) Instruction Manual

## Metty Metal Q350

# Metty Metal 4-Step Outdoor/Indoor Stair Handrail with Balusters

MODEL: Q350 (WHITE)

## 1. Introduction

This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of your Metty Metal 4-Step Outdoor/Indoor Stair Handrail. Designed for durability and safety, this handrail offers reliable support for various step configurations. Please read all instructions carefully before beginning installation.

## 2. Safety Information

- Ensure all components are present and undamaged before installation.
- Always wear appropriate safety gear, including eye protection and gloves, during installation.
- Verify the stability of the mounting surface (concrete, wood, brick, marble) before drilling.
- Properly secure all fasteners to prevent loosening and ensure maximum stability.
- Regularly inspect the handrail for any signs of wear, damage, or loose connections.
- This handrail is designed to provide support; avoid excessive force or hanging on the railing.

## 3. Package Contents

Your Metty Metal handrail kit includes all necessary tools and hardware for assembly and installation:

- Handrail assembly (main rail, balusters, posts)
- Mounting hardware: anchor bolts, anchor screws, self-tapping screws
- Drill bits: carbide-tipped drill bit (for concrete/masonry), wood drill bit
- Installation tools: 6-inch 1/4-inch Allen drive extension, 5-sided screw bit, nut driver, wrench
- Detailed installation guide

## Mounting on concrete



## Installation on wooden floors



Image: Included installation kit with various screws, drill bits, and tools.

## 4. Setup and Installation

The Metty Metal handrail is designed for easy installation on various surfaces. Follow these steps for secure attachment:

1. **Assemble the Handrail:** Connect the main handrail components as shown in the included guide. The design allows for adjustable angles to fit 1 to 4 steps without cutting.
2. **Positioning:** Place the assembled handrail on your steps to determine the optimal mounting locations for the base plates. Mark the drill points accurately.
3. **Drilling Holes:**
  - For **concrete, brick, or marble surfaces:** Use the provided carbide-tipped drill bit and a hammer drill to pre-drill holes at the marked locations. Ensure the drill bit size matches the anchor bolts (note: some users reported 5/16-inch anchors with 3/8-inch bits, verify fit before drilling).
  - For **wooden surfaces:** Use the provided wood drill bit to pre-drill holes. If the wood is not sufficiently thick or sturdy, consider adding additional blocking for reinforcement.
4. **Securing the Base Plates:** Insert the appropriate anchor bolts (for concrete/masonry) or self-tapping screws (for

wood) into the pre-drilled holes. Tighten securely using the provided wrench and bits.

5. **Covering Fasteners:** Place the decorative covers over the base plate fasteners for a clean and finished appearance.

## Mounting on concrete



## Installation on wooden floors

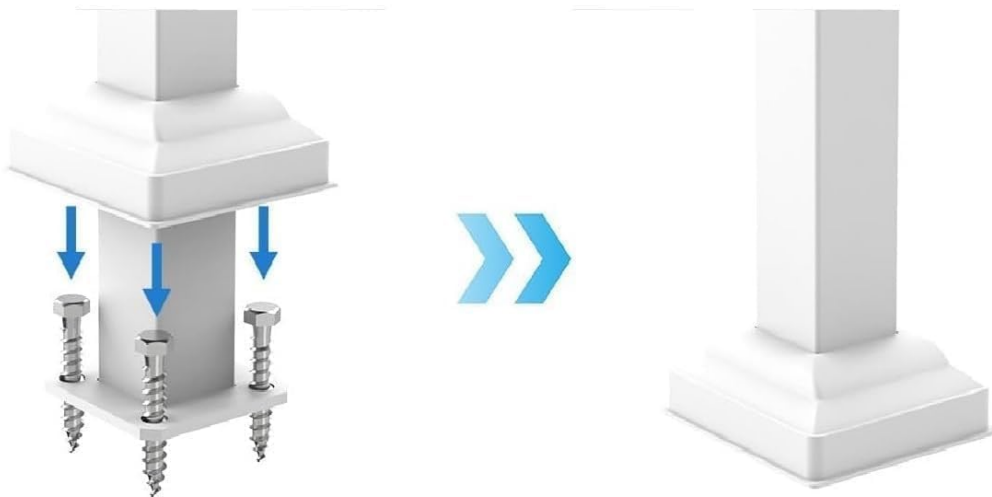


Image: Visual guide for mounting on concrete and wooden surfaces.

## *Applicable floor types*



**Cement Floor**



**Brick Floor**



**Wooden Floor**



**Marble Floor**

Image: Compatible floor types for installation.

Video: Official Metty Metal video demonstrating product features and installation steps.

## **5. Operating and Usage**

Your Metty Metal handrail provides a secure and comfortable grip for navigating steps. It is suitable for both outdoor and indoor environments, enhancing safety and accessibility.

- The handrail's sturdy construction and smooth, powder-coated surface ensure a comfortable and non-slippery grip.
- It is particularly beneficial for the elderly, individuals with mobility challenges, and even toddlers, offering an excellent hand-hold for increased independence and stability.
- The design is adaptable for various step heights and can be used on front porches, balconies, gardens, and walkways.



Image: Metty Metal 4-step handrail with balusters installed on outdoor steps.



Image: An elderly person using the handrail for support on outdoor steps.

## 6. Maintenance

The Metty Metal handrail is designed for minimal maintenance due to its durable wrought iron construction and powder-coated finish.

- **Cleaning:** Wipe down the handrail periodically with a damp cloth and mild soap to remove dirt and debris. Avoid abrasive cleaners that could damage the finish.
- **Inspection:** Annually, or more frequently in harsh weather conditions, check all mounting points and fasteners to ensure they remain tight and secure. Tighten any loose screws immediately.
- **Rust Resistance:** The powder-coated finish provides excellent rust resistance, making it suitable for outdoor use in various weather conditions.

## 7. Troubleshooting

If you encounter any issues with your handrail, refer to the following common solutions:

Problem	Possible Cause	Solution
Handrail feels wobbly or unstable	Loose mounting screws or inadequate surface support.	Tighten all mounting screws. For wooden surfaces, ensure sufficient blocking is used. For concrete, verify anchors are properly seated.
Difficulty drilling into concrete	Incorrect drill bit size or insufficient drill power (e.g., not using a hammer drill).	Ensure you are using the correct carbide-tipped drill bit (verify 5/16-inch for anchors if 3/8-inch bit feels too large) and a hammer drill for concrete.
Self-tapping screws not tightening (for wood)	Pilot hole too large or wood is stripped.	Use a smaller pilot hole or relocate the screw. Consider using wood filler or larger screws if the hole is stripped.
Paint chipping or finish wear	Impact damage or prolonged exposure to extreme conditions.	Touch up with appropriate outdoor-grade paint. Ensure proper handling during installation to prevent initial chipping.

## 8. Specifications

- **Brand:** Metty Metal
- **Model Number:** Q350
- **Material:** Wrought Iron
- **Color:** White with Balusters
- **Size:** 4 Step
- **Product Dimensions:** 24"L x 4"W (Note: Handrail length 52 inches, height 36 inches, center armrest 39 inches for 4-step model)
- **Finish Type:** Powder Coated
- **Item Weight:** 25.6 pounds
- **UPC:** 717690217228



Image: Key dimensions of the 4-step handrail.

## 9. Warranty and Support

For any questions, concerns, or support regarding your Metty Metal handrail, please refer to the contact information provided at the point of purchase. While specific warranty details are not included in this manual, Metty Metal products are designed for durability and customer satisfaction. Keep your purchase receipt for any potential warranty claims.