Hunter™ Zinc

Hunter Zinc is a patinated zinc sheet offering a limestone-inspired tonality. Originally designed for the Hunter Museum in Chattanooga, TN, this preweathered material combines a variegated matte finish with lightweight versatility, making it ideal for outdoor facades, panel systems, and artistic designs. Its refined appearance seamlessly integrates into both contemporary and traditional architectural styles.

MAIN FEATURES AND CHARACTERISTICS

- A lightweight material with a rich protected surface.
- Hunter Zinc ages with elegance and integrity.
- Hunter Zinc is naturally corrosion resistant.
- 100% metal construction means familiar and common fabrication techniques, a non-combustible surface, and easy recyclability at end-of-life.

AVAILABLE ALLOYS, THICKNESSES AND SIZES

Hunter Zinc is a single-sided product and is available in a 39.4" x 10' x 0.032" sheet.

DIMENSIONS AND TOLERANCES

Dimensional tolerances for Hunter Zinc are provided in the table below.

Dimensional Tolerances

Property	Unit	Value
Width	in	+/- 1/16
Length	in	+ 1/4, -0

PATTERN AND COLOR

Hunter Zinc is a variegated material with naturally matte surface, featuring an organic variance from panel to panel. The result is a look that can function both for contemporary as well as historic aesthetics.

In environments with prolonged direct moisture, the outward face of the zinc may be susceptible to white-gray areas and streaks.

If anticipating the need for additional sheets in the future, it is recommended to order these at the time of initial order to minimize batch-to-batch variation.

MATERIAL AND PHYSICAL PROPERTIES

Hunter Zinc select material and physical properites are presented in the table below.

Select Material and Physical Properties

Property	Unit	Value
Density	lbs/ft^3	449
Coefficient of Thermal Expansion	$in/in/^{\circ}F$	
Along the grain direction		13.8×10^{-6}
Perpendicular to the grain direction		10.8×10^{-6}

FLAMMABILITY

Hunter Zinc is 100% monolithic Zinc and is a non-combustible material.

OUTDOOR USE AND LIMITATIONS

Hunter Zinc can be used in most exterior applications. Certain horizontal applications, such as exterior counters or seating, are discouraged due to the potential for water to pool and create spotting or other staining effects.

FABRICATION GUIDELINES

Please follow the guidelines for fabricating sheets of Hunter Zinc.

General notes for all fabrication

- Follow best-practices in regards to proper occupational health and safety measures, such as the wearing of eye protection, and the use of respirator devices when grinding or polishing.
- Prior to fabrication for your project, it is strongly recommended that any fabrication steps be tested on sample material or fall-off.

Cutting and Drilling

Use high-speed steel, heavy-duty machine drill bits at the proper speed when drilling holes.

Hunter Zinc may be cut using a shear for simple linear cuts. The use of cardboard or other surface protection measures are recommended to protect the surface from oils and other debris.

For the cutting of simple curves and forms, the use of manual cutting methods appropriate for Zinc sheet, eg, a bandsaw, jigsaw with proper blade, or snips, will suffice.

For the cutting of complex and/or detailed shapes, CNC methods, such a laser cutting machine capable of cutting copper, or waterjet, is recommended. For appropriate cutting parameters (speed, power, etc), please reference the manufacturer's recommended settings for Zinc.

Bending

Hunter Zinc can be bent to a variety of forms using commonly practiced sheet-metal bending techniques. To maintain the appearance of the Hunter Zinc surface, the following best-practices are recommended:

- DO use a brake-press with a properly sized punch and die.
- DO use Rhino Hide or an equivalent aid to protect the surface.
- DO NOT bend to an outside radius less than 2.5x the thickness of the sheet.

Welding and Soldering

Hunter Zinc is compatible with Zinc soldering methods.

Note that the Hunter Zinc surface in the vicinity of the soldering will need to be removed prior to soldering. Therefore, it is recommended that designs that require soldering take this into account and locate the soldered connection where they will be hidden from view.

Gluing

Hunter Zinc is compatible with a variety of common adhesives designed for metals. Follow the manufacturer's recommended procedures for copper/metal when bonding Hunter Zinc to other materials.

STORAGE AND HANDLING

Hunter Zinc should be stored in its original packaging in a dry, indoor location away from direct sunlight. Store the product on flat, level ground. Keep in a low-traffic location to help protect all edges from incidental damage. Any protective masking, if applied, should be removed within 6 months of the date of shipment.

- Do not store outside, in direct sunlight, or in wet environments.
- Do not stack objects on top of the products or packaging.

Handling

When handling Hunter Zinc, the wearing of cotton, nitrile or latex gloves is recommended to prevent dirt and oils from contaminating the finish. When carrying or manually transporting, take all necessary precautions to prevent denting, scratching or other damage to the finish. If temporarily setting sheets of Hunter Zinc on an edge, the use of wood blocking and/or shop towels is recommended between the sheet's edge and the ground in order to prevent denting or deforming of the edge.

CLEANING

Clean Hunter Zinc at least once per year to ensure the initial appearance is retained. Use warm soapy water and a clean, soft cotton cloth, followed by a thorough rinse using clean water. Wipe dry with a clean, soft cotton cloth.

If a more agressive cleaning solution is required, Isopropyl Alcohol, Windex® Original Glass Cleaner, or Windex Vinegar Glass Cleanar can also be used. Clean and wipe dry with a clean, soft cotton cloth.

Do not use cleaners that contain abrasives, as these will damage the Hunter Zinc finish.

Whenever cleaning Hunter Zinc for the first time, test in an inconspicuous area. If no damage to the finish occurs, proceed with cleaning. Clean the entire surface equally - clean all the way to any edge or joint - to avoid visible differences in appearance.

END OF LIFE AND DISPOSAL

Hunter Zinc is 100% monolithic Zinc and can be recycled at end of life using existing scrap and recycling streams for metals.