THE PATINA LINE
Living Material – in three natural Surfaces
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Through the process of natural patination, RHEINZINK-prePATINA will, over time, produce a unique finish. As it ages and matures, a distinctive surface develops to lend buildings a timeless elegance. The PATINA LINE is always the first choice when the aesthetics of a living material is desired. It is available in three natural surfaces: prePATINA bright rolled, prePATINA blue-grey and prePATINA graphite-grey. The prePATINA bright rolled is a shiny, silvery, mill finish that patinates, over time, to a blue-grey. The prePATINA blue-grey has been preweathered to give the look of aged zinc. The prePATINA graphite-grey is a different alloy. A “black” zinc and metallurgically speaking, it is the only such alloy on the market. All three have a distinct look that will continue to patinate and evolve in appearance as the material ages.

RHEINZINK – always a good Choice

To offer even more design possibilities, we now produce our unique material in four different product lines. The PATINA LINE is the classic of these lines – as it ages its beauty improves over time. The PROTECT LINE has a clear coating providing durable surface protection in aggressive climates, prolonging the initial appearance of the material. With COLOR LINE, a pallet of five colors is now available to augment a project. And with the appealing INTERIEUR LINE, RHEINZINK can be used in the design of interiors.
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The PATINA LINE is classic RHEINZINK, the world's leading brand for architectural zinc. The timeless elegance of this naturally weathering metal results from a patina that forms with exposure to wetting and drying cycles. A self-healing cladding material requiring little or no maintenance. RHEINZINK-prePATINA exemplifies sustainability through its longevity, recyclability, and compliance with the strictest environmental standards.

IMPROVING WITH AGE – THROUGHLY RHEINZINK.
RHEINZINK-PATINA, RHEINZINK-PROTECT, RHEINZINK-COLOR and RHEINZINK-INTERIEUR are registered trademarks of RHEINZINK GmbH & Co. KG
RHEINZINK is a material of the highest quality. The alloy is melted in a single operation, cast, rolled and packaged into coils of different types and thicknesses. The quality for the product lines is guaranteed through regular monitoring and extensive laboratory testing. The QUALITY ZINC Seal of TÜV Rheinland (Prüf-Nr. 424-030012) documented throughout the production process.

The Beauty of aging naturally
The environment plays a role in how this natural material appears over time. It will weather in response to its microclimate. The patination process occurs through wetting and drying cycles. The process is accelerated by the frequency of cycles and higher temperatures. When fully patinated, the metal forms a crust-like outer layer that protects the underlying alloy, providing low-to-no maintenance over many decades. The angle of the material also determines the timeline for the patination process; a façade will age at a much slower rate than a roof. In the end, the result is a timeless elegance equally suited for traditional and contemporary architecture.

In Synch with other Materials
In addition to having outstanding environmental characteristics, RHEINZINK is compatible with most construction materials. And, with many detail variations possible, RHEINZINK complements both traditional and modern architecture.

Beauty is more than skin deep
RHEINZINK’s outstanding environmental characteristics have been third-party verified. It is documented in the IBU Product Declaration according to ISO 14025 Type III. A life-cycle analysis (LCA) was conducted in conjunction with obtaining an Environmental Product Declaration. The LCA analyzed raw material extraction, processing, use and recycling by the IBU (Institut für Bau und Umwelt or Construction and Environment Institute), an independent agency.
RHEINZINK was declared an environmentally friendly building product. It is inflammable, protects against lightning, and also shields against electromagnetic radiation (IGEF) when properly grounded. It has been certified by TÜV and by Cradle to Cradle. Using RHEINZINK can also bring LEED credits to a project. In addition, the RHEINZINK Company has received ISO certification as an outstanding environmental management organization according to ISO 14001: 2004, and quality management according to ISO 9001: 2008 and ISO 5001: 2011 for energy management. RHEINZINK meets ASTM B-69-11 Types 1 and 2 for Architectural Rolled Zinc. Type 1 is for RHEINZINK-bright rolled and RHEINZINK-blue-grey zinc. Type 2 is for RHEINZINK-graphite-grey. Currently RHEINZINK is the only zinc manufacturer with a Type 2 designation.

The Sustainable Choice
RHEINZINK is the choice when considering future generations, as few building materials have such a small environmental footprint. Such standards are set at the very beginning from the extraction and processing of the raw materials. Modern production methods keep emissions in smelting and processing to a minimum. With the lowest CO₂ emissions in the production process coupled with the lowest energy requirement for its production, RHEINZINK has the lowest environmental impact of all of the construction metals.

Preserving and maintaining Value
Even after its service life as building cladding or drainage material, RHEINZINK maintains its value. It can be recycled infinitely without loss of its chemical or physical properties. The purity of architecturally alloyed zinc gives its scrap value; just about guaranteeing that it will not end up in a landfill. Zinc is recycled at a rate of up to 95%. The amount of energy required to recycle it is only 5-10% that required to process raw zinc.

Zinc can last decades, even centuries depending on the situation. As such when life cycle costs are factored in, zinc is one of the most economical choices. And, as a self-healing material, it is low-to-no maintenance resulting in further cost savings.
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RHEINZINK-prePATINA®
- bright rolled
- blue-grey
- graphite-grey

* Federal Environment Agency recognized eco-label for construction

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 Extraction of raw material
Product
Manufacturing
Construction
Use
Maintenance
Renovation
Demolition
Recycling


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