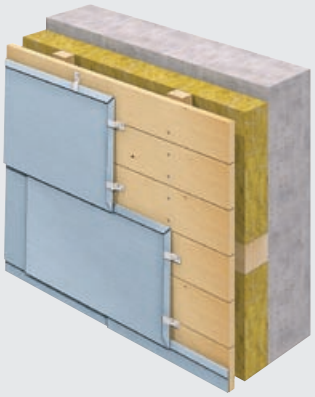
RHEINZINK®

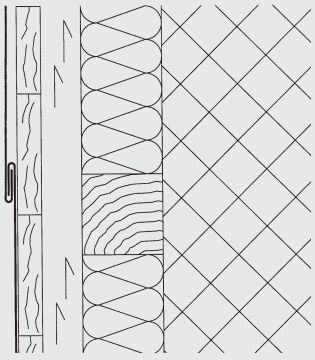
RHEINZINK®-PANEL SYSTEMS

RHEINZINK

Bishop Challoner Catholc Collegiate School,
London, United Kingdom; Perkins Ogden, Alresford Hants

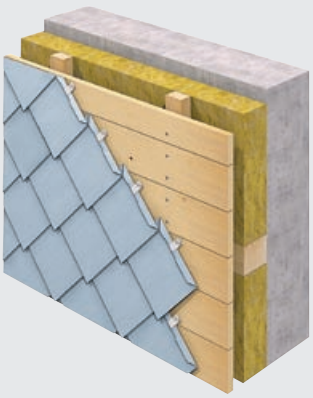
New Lecture Theatre, Victoria University, Werribee Campus
Werribee, Victoria, Australia; Michael McKenna Pty Ltd

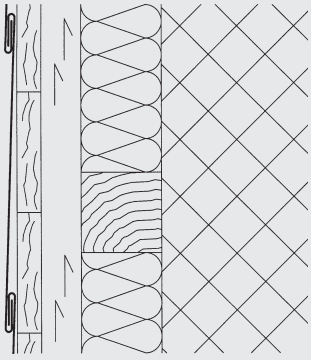




RHEINZINK®-
Rectangular Flat Lock Tile

The main area of application of the rectangular flat lock tile is to be found in large format facades. Their visual presence is extremely impressive. If bright-rolled material is used, the patination process creates a special design feature via nuances in different individual panels. To ensure the best possible quality and size in relation to the facade, the tiles can be manufactured to your individual requirements.





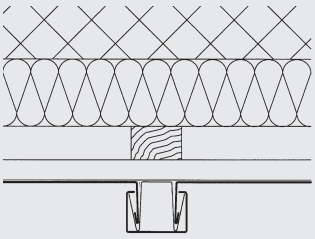
RHEINZINK®-Small Tiles

These small tiles consist of square and pointed diamonds. Like the flatlock tile, these tiles have forward facing edges on the top surface and backward facing edges on the lower surface to form simple lock joints.
As a consequence of the small format of the individual elements, design solutions are possible, creating facades with relatively complex geometry. Thus, for example, it is possible to cover roof ventilators, chimney tops or roof edges without compromising the overall design.

Title page illustration: Private Residence, Cantu, Italy
Paolo Pirovano, Mauro Angelo Ceresa

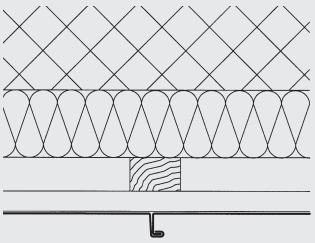
Storehouse Lehmann Küchen GmbH, Rust, Germany
Erny + Herzog, Free Architects

Bluewater Cinema Complex, Greenhithe, United Kingdom
Eric Kuhnen & Associates; BDG McColls



RHEINZINK®-"Solar PV Standing Seam" and "Solar PV Click Strip"

Two RHEINZINK®-Solar Solutions representing an ideal combination of ecologic energy generation with aesthetic architecture in classic seam design: high-end UNI-SOLAR®-modules are bonded to RHEINZINK®-Panels over their entire area. These may then, without any additional fastening elements, be installed on roofs and facades using well-proven RHEINZINK®-Seam technologies, e.g. the standing seam and the click roll system. Thanks to their Triple Junction Technology, these systems permit energy yields even in diffused light conditions and with low sun radiation. (Information on Solar Grants available at www.est.co.uk).

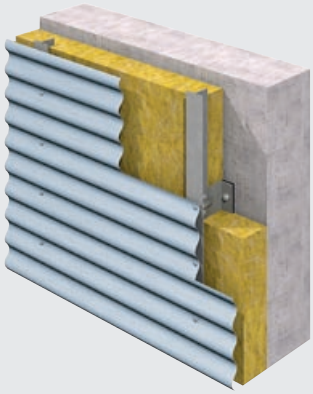


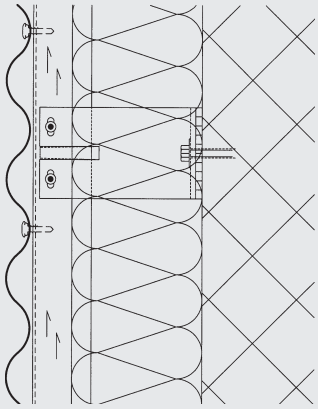
RHEINZINK®-Seam Technology

When RHEINZINK®-seam systems connect the individual trays longitudinally the angled vertical seam is recommended. It is characterized by the strong emphasis of the seam (width approximately 12 mm). The widespread availability of machines ensures consistent forming of panel edges as well as closing of the seams. Differing trays lengths and widths make it possible to realize even the most complicated and special shapes.

Logisticterminal Lagermax, Salzburg, Austria
Prof. Klaus Kada & Dipl.-Ing. Gerhard Wittfeld

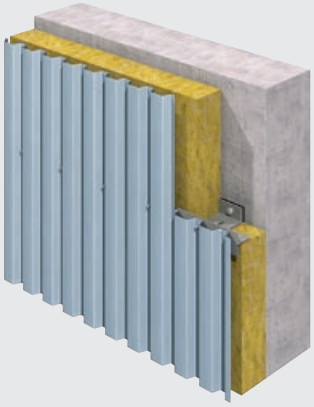
Verbier Cable Railway Station, Verbier, Switzerland
Paul Glassey

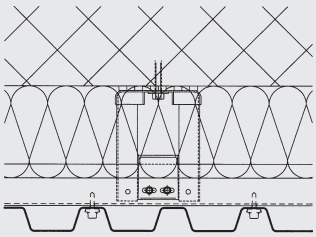




RHEINZINK®-
Corrugated Profile

Corrugated profiles can impart a filigree effect because of the flowing shape of the classic sine wave. The various methods of installation – horizontal, vertical or diagonal – permit both detailed panelization and clearly visible separation of the facade image panel by panel.
The delicate effect of the interplay of light and shadow can give a visually charming liveliness to large areas.



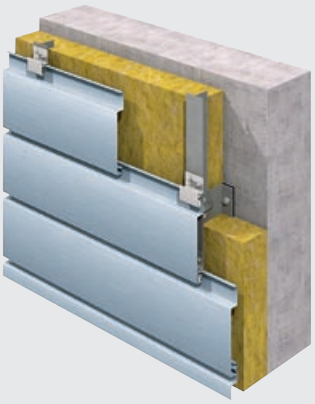


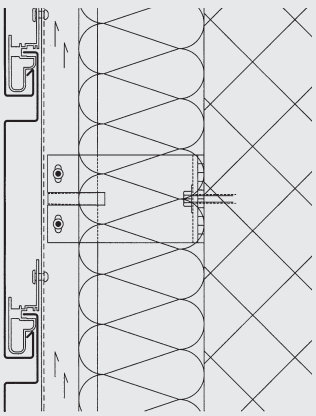
RHEINZINK®-
Trapezoidal Profile

The sharp edged rib-shaped design of the trapezoidal profile conveys a cool language of form in horizontal, vertical and diagonal arrangements. The strong contrast which is produced when light strikes it is of greater intensity than in the corrugated profile, which has a somewhat subdued effect. By reversing the profile the option for a wider trough can be achieved.

Private Residence, Cantù, Italy
Paolo Pirovano, Mauro Angelo Ceresa

Nottingham University Business School, Nottingham
Great Britain; Michael Hopkins & Partners

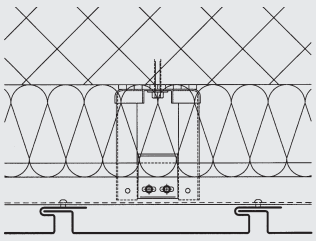




RHEINZINK®-
Horizontal Panel

Horizontal panels are visually similar to the reveal panels and are reminiscent of their origin in wooden facades. These elements are fitted indirectly via the 20 mm reveal using a special RHEINZINK® mounting profile.

This ensures that expansion caused by temperature variation can easily be accommodated. Panel lengths have greater variation when using this system.



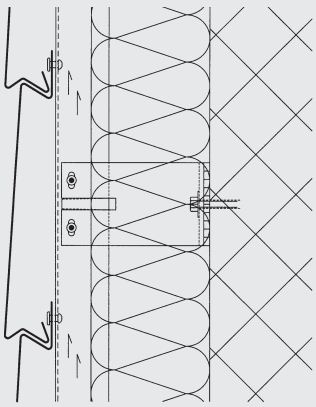
RHEINZINK®-
V25 Reveal Panel

The V25 reveal panel provides a wealth of design possibilities, with its choice of panel widths 200-300 mm and its variable joints widths 0-30 mm.

Combined with the flexibility of the laying directions (horizontal, vertical, diagonal), the reveal panel offers the architect an exceptional amount of freedom in implementing design ideas. Configured panels with an extremely wide range of shapes can be optimized.

Railway Passage, Uster, Switzerland
M. Spühler

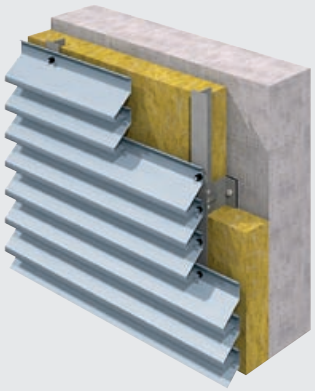
Extension to Kanton Thurgau Police Headquarters and Prison
Frauenfeld, Switzerland; Keller Schulthess Architect, Paul Graf

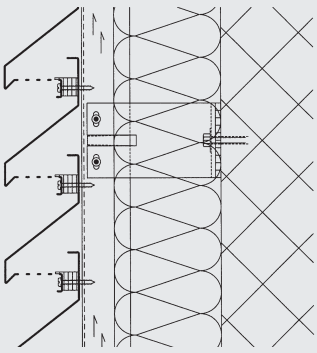


RHEINZINK®-
Shiplap Panel

Due to its layered characteristics and shadowless joint, the shiplap panel represents a particularly individual facade cladding. When subject to light and shade, charming shadows and strong contours appear because of its profile geometry.

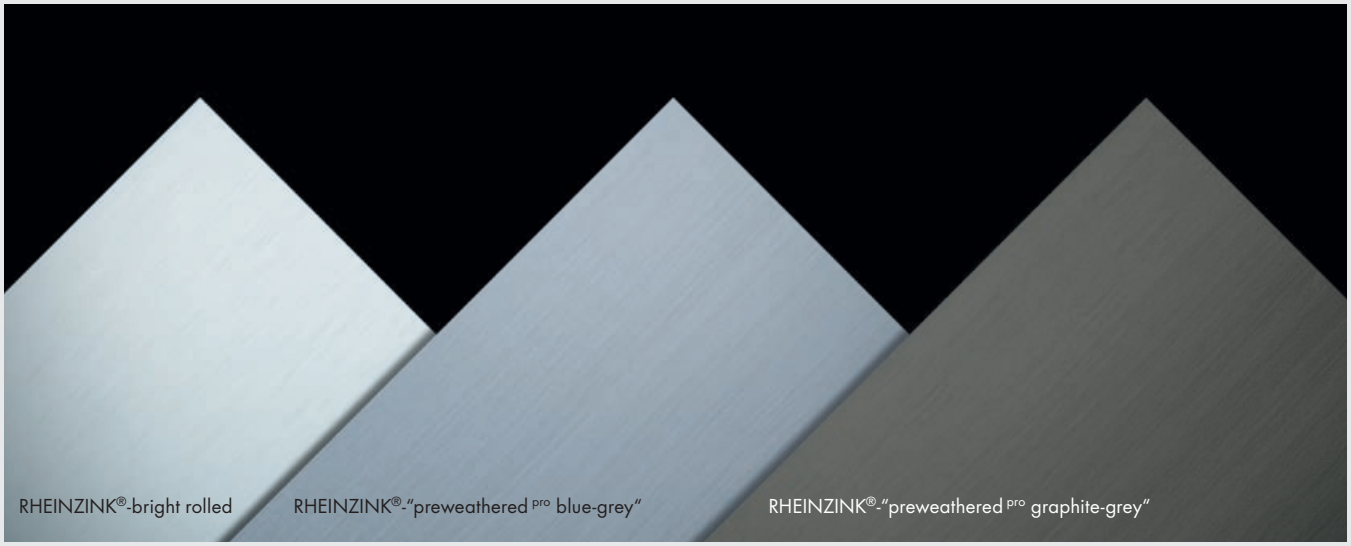
Precise profile manufacturing to custom sizes after detailed planning and determination of the panel dimensions guarantees the best possible and most economical assembly on site.





RHEINZINK®-
Special Solutions

RHEINZINK uses the term special solutions to describe the combination and/or variations of systems. Very large surfaces in particular, which could appear to the eye to be excessive, are broken down into units which are visible at a glance offering a combination of differing layers.
Z-profiles, thin sheet and other profiles which are able to form an edge can be manufactured – after consultation with RHEINZINKs Technical Department.



Aesthetic Diversity

RHEINZINK® material is available in three variations:

RHEINZINK®-bright rolled – the original variation. Through the course of natural weathering, the bright rolled material turns a classic blue-grey. The patina provides protection; the material always looks great, without undergoing any additional maintenance or cleaning.

RHEINZINK®-"preweathered pro blue-grey" and "preweathered pro graphite-grey" – the elegant variation. These materials leave the factory – with the elegant look of a finished zinc patina. RHEINZINK has patented this process, which is unique worldwide. The surface appearance changes marginally (influenced by the environment) – the positive properties of the natural surface remain fully intact. Here, too, special maintenance and cleaning is not required; the self-healing properties of the material allow each and every scratch to disappear in a very short period of time.

Regardless of the variation selected – all three meet the highest quality criteria, the requirements of sustainable material, and are subject to voluntary testing as per the "QUALITY ZINC"-Criteria Catalogue.

Solid Values

Build with RHEINZINK, secure in the knowledge that you are acquiring lasting value.

In addition to its statutory liability, RHEINZINK offers a 30 year material guarantee. That provides reliability.


Zertifikat

1


ZERTIFIKAT

Die TÜV CERT-Zertifizierungsstellen der TÜV Rheinland Industrie Service GmbH

bescheinigen gemäß TÜV CERT-Verfahren, dass das Unternehmen

RHEINZINK GmbH & Co. KG

2


Internationale Gesellschaft für Elektrosmog-Forschung

3


Short version

Environmental Product Declaration

INSTITUT BAUEN UND UMWELT E.V.

RHEINZINK

4

Certified Quality

For anyone who appreciates fastidious attention to detail, who creates distinctive work over a period of years and decades, who continues to grow and develop based on an evolving tradition – quality is more than just a word.

For this reason, there are institutions that honour this drive for quality. RHEINZINK has received numerous certificates, which attest the implementation of the highest quality standards.

Our certificates can be downloaded from our website: www.rheinzink.de.

1. QUALITY ZINC Certificate
TÜV-guaranteed quality standards for structural zinc.

2. TÜV Certificate DIN EN ISO 9001:2000 and ISO 14001:2004
TÜV-guaranteed quality management.
TÜV-guaranteed environmental management.

3. IGEF Certificate
Certified protection against electro-magnetic radiation.

4. ECO Environmental Declaration
Declared Environmental Compatibility by the "Institut Construction and Environment", according to DIN ISO 14025, Type III.

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RHEINZINK

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