



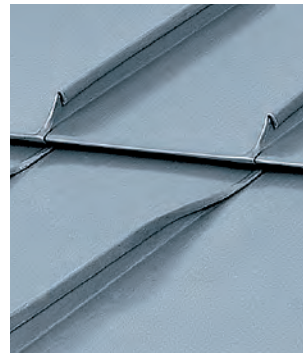
RHEINZINK® - ROOF COVERINGS

RHEINZINK® Double Lock Standing Seam

The double lock standing seam is considered to be a further development for zinc material of the original hollow folded joint or single standing seam. Known in the technical literature since 1899, it is given preference over other methods of roofing and could be laid on pitches less than 25°. Here, the name double lock standing seam characterises one of the classic types of longitudinal joint. The seam was previously produced to a height of 23 mm. However today the double lock standing seam is produced from preprofiled trays forming a weathered joint of 25 mm. This is now internationally recognised and the bending and closing of the profiles can be carried out manually or by machine. Special designs such as convex and concave curves or conical assemblies can also be produced without difficulty. Thanks to the wide range of possible variations in its detailing, the fine line design of the double lock standing seam complements traditional architecture with the same degree of self assurance as modern designs.

RHEINZINK® Angled Standing Seam

The so-called angled standing seam is a comparatively recent development within the industry covered by traditional plumbers' techniques: it has only been mentioned consistently

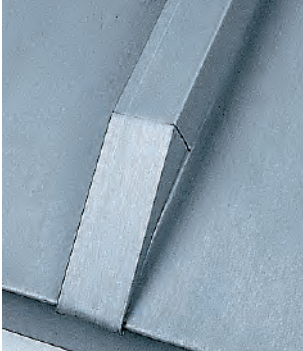


RHEINZINK® Double Standing Seam



RHEINZINK® Angled Standing Seam

since the beginning of the 20th Century in technical literature. It is the usual solution for roofs with an inclination of more than 25°. Closing the seam on preprofiled assemblies is particularly simple as the finished angled standing seam is produced by simply folding in just one leg of the joint. Therefore the angled standing seam is particularly suitable for visible areas of the design of steeply inclined metal roofs and for example parapets, attics and mansard slopes; whether in classic vertical, angled or horizontal applications. The visual effect produced gives a stronger line than that of the double standing seam.



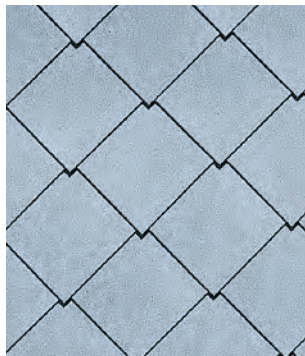
RHEINZINK® Click Strip System



RHEINZINK® QUICK STEP

RHEINZINK® Click Strip System

The click system is considered the most traditional of the crafting methods currently in use today. The use of wooden strips and zinc cappings has now been replaced by a RHEINZINK® click strip holder made from galvanized steel. This is laid between prefabricated trays. The longitudinal joints are then capped in zinc using prefabricated capping profiles. The RHEINZINK® click strip system guarantees maximum precision and efficient laying suitable for both roofing and façade applications. The strength of the profiles produces harmonious proportions with dominant longitudinal joints. Interesting effects are achieved through shade and light changes. These produce an abundance of colour and brightness when used in combination with other seaming techniques.



RHEINZINK® Tiles

QUICK STEP – The RHEINZINK® Stepped Roof

Modern architecture is always looking for new highlights. RHEINZINK has developed an industrial laying system which combines new design possibilities and simple installation techniques. QUICK STEP – The RHEINZINK® stepped roof innovation, with patented technology, is a completely new type of metal roof covering which represents a high quality alternative to traditional roof coverings and is suitable for a wide range of purposes. QUICK STEP is suitable for a large number of roof shapes, with inclinations between 10 and 75°. In combination with an appropriate fixing system, the plug-in components made from 0.8 mm "preweathered" RHEINZINK® are prefabricated, guaranteeing that assembly can take place with ease. QUICK STEP also opens up a wide range of possibilities from a design point of view. The step-shaped system creates a strong but elegant format for the roof surface, which integrates harmoniously into every environment. Innovative accessories such as the new connection frame, developed especially for roof penetrations, round off the QUICK STEP as regards both design and style.

RHEINZINK® Tiles

The square and diamond tiles make up the RHEINZINK® small tile group. In contrast to shingles with a similar visual appeal, they have projecting edges on the front surface and backward facing edges on the back in the form of simple joints. The tiles can be produced by the tradesman or in-house by RHEINZINK and due to their small format, they create reliable and visually appealing solutions, even when the building shape is geometrically complicated. Almost all curves can be followed without difficulty. The classic areas of use for the small tiles therefore include covering dormers, chimney tops and roof edges. A further development of the square and diamond tiles are the RHEINZINK® large tiles, used for both roofing and wall cladding, these large tiles are becoming increasingly popular. Their large size offers the designer many alternatives and provides a visual presence which is particularly impressive.



RHEINZINK®-Corrugated Profile



RHEINZINK®-Trapezoidal Profile



RHEINZINK®-Shiplap Panel



RHEINZINK®-V25 Reveal Panel

RHEINZINK® - PANEL SYSTEMS

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 panelisation and clearly visible separation of the façade 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. The possibility of being able to choose between an A- and a B-face, makes this façade cladding a multi-faceted profile.

RHEINZINK®-Shiplap Panel

Due to its layered character and shadowless joint, the shiplap panel represents a particularly individual façade 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®-V25 Reveal Panel

The advantage of the V25 reveal panel is the wide range of choice of axial dimensions. The panel and reveal joints can range from 200 - 300 mm and variable joint widths between 1 - 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 optimised.



RHEINZINK®-Horizontal Panel

Horizontal panels are visually similar to the reveal panels and are reminiscent of their origin in wooden façades. These elements are fitted indirectly via the 20 mm reveal using a special RHEINZINK® mounting profile. Length changes caused by temperature variation can easily be accommodated.

RHEINZINK®-Horizontal Panel

RHEINZINK®-Special Solutions

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 RHEINZINK's Technical Department.



RHEINZINK®-Seam Technology

RHEINZINK®-Roll System

RHEINZINK®-Seam Technology

When RHEINZINK®-seam systems connect the individual trays longitudinally the angled vertical seam is recommended. It is characterised 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 realise even the most complicated and special shapes.



RHEINZINK®-Roll System

The roll system is the oldest of the covering systems available today. A strip of wood, which is used to hold the fixings is covered by a preformed cap, fitted between the trays. The RHEINZINK®-Click cap system fulfils the requirements imposed by rapid and economical fitting. Trays and capping are machine formed guaranteeing maximum precision.

RHEINZINK®-Rectangular Flat Lock Tile

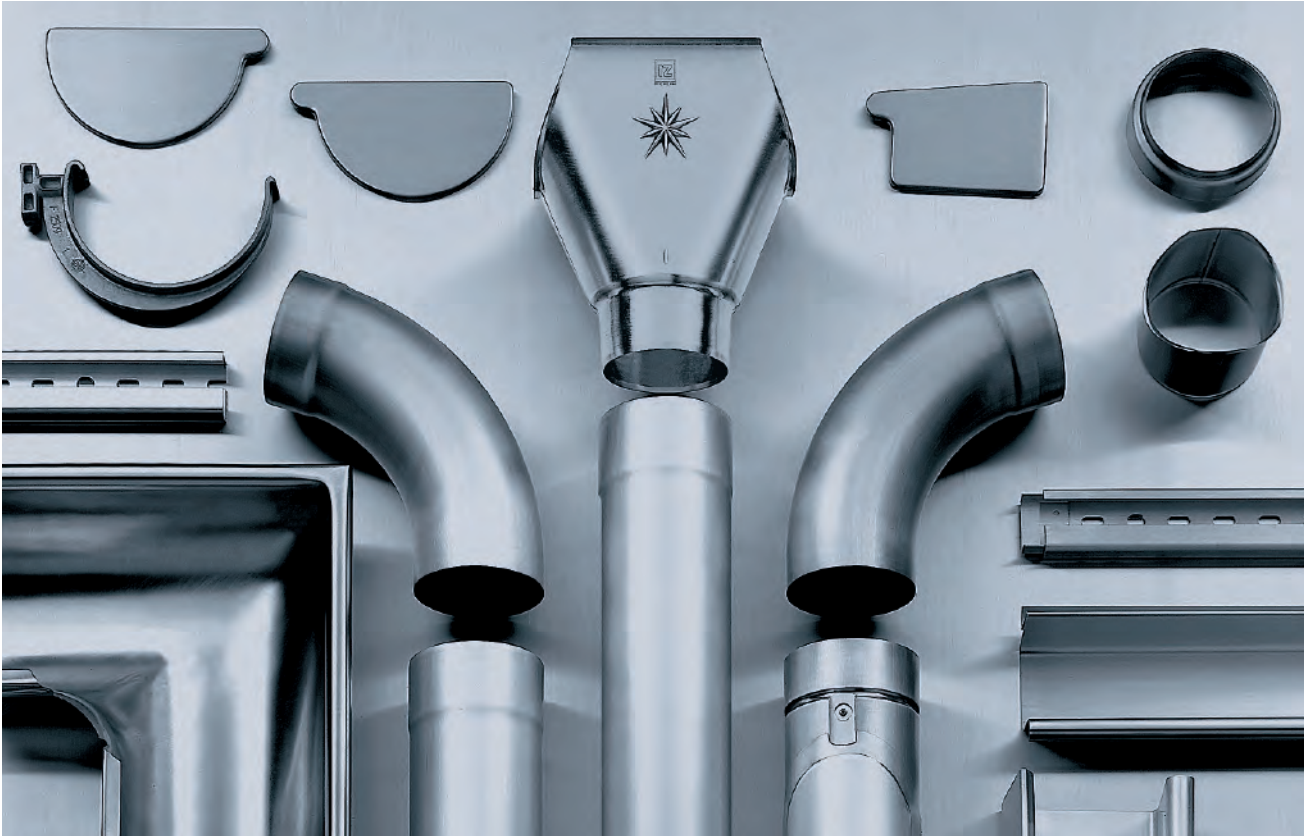
RHEINZINK®-Small Tiles

RHEINZINK®-Rectangular Flat Lock Tile

The main area of application of the rectangular flat lock tile is to be found in large format façades. 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 façade, the tiles can be manufactured to individual requirements.

RHEINZINK®-Small Tiles

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



RHEINZINK®-Eaves gutter running outlet



RHEINZINK®-Downpipe and hopper head

RHEINZINK® - DESIGN DRAINAGE SYSTEM

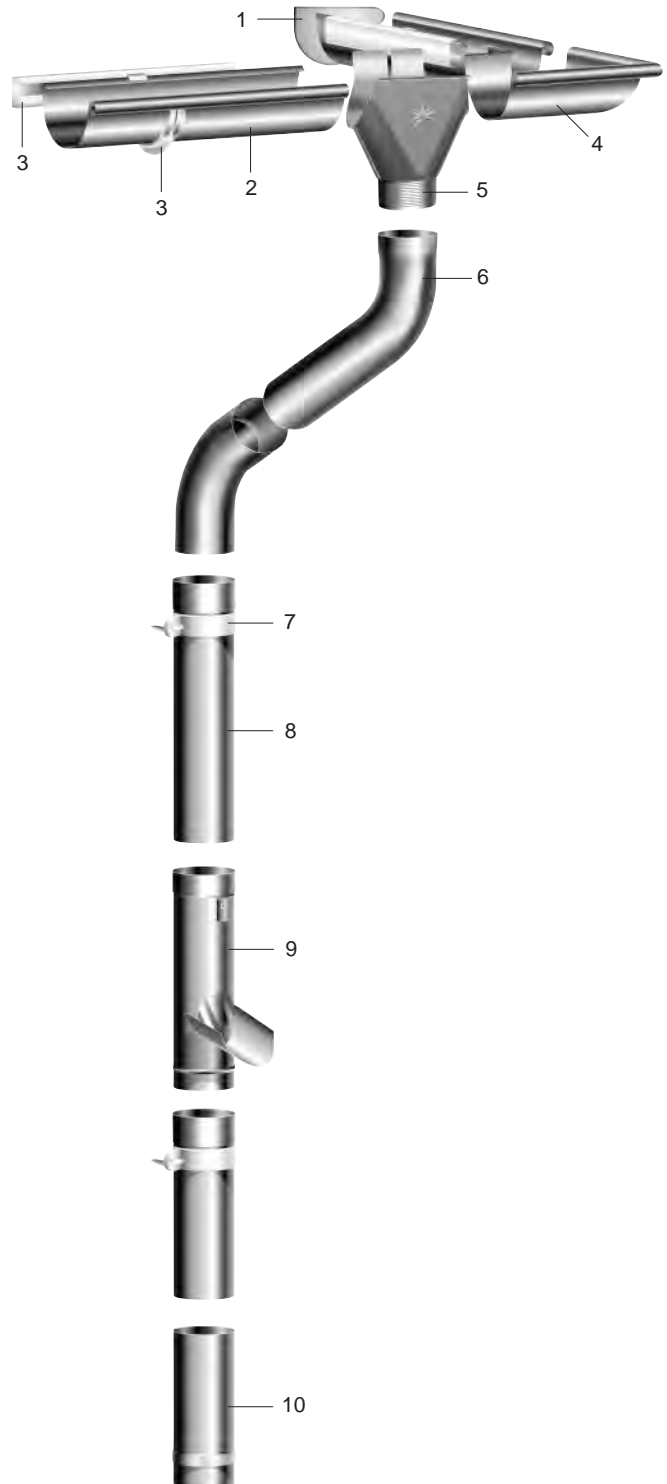
RHEINZINK® – the trademark for quality in roof drainage

RHEINZINK®-Design drainage systems offer a wide range of shapes and individual application options. They include aesthetic downpipes and gutters, numerous special shapes in standard dimensions and the associated accessories.

In the blue-grey finish of RHEINZINK®-“preweathered^{pro}”, all prefabricated parts and special designs are made of the same high-quality material. The formation of a natural patina ensures that RHEINZINK®-Design drainage systems will fulfil their function for decades without any need for maintenance.

Each prefabricated part is marked with a durable stamp. This means that the manufacturer of the products can be clearly identified even after many years. The material RHEINZINK® complies with the most stringent environmental standards; 100 % can be recycled.

RHEINZINK® has been certified to be a building material which is compatible with the environment by the independent committee of the AUB Germany after extensive evaluation of the entire life cycle of the product. RHEINZINK® prefabricated parts as per DIN EN 612 are manufactured of titanium zinc DIN EN 988 tested by the German TÜV inspection body according to the Quality Zinc Catalogue of Criteria.



Key

- 1 Stop end
- 2 Half round gutter
- 3 Snap-lock bracket system
- 4 Half round external corner
- 5 Half round plug-in gutter outlet
- 6 Round elbow 60°
- 7 Downpipe bracket
- 8 High-frequency welded downpipe
- 9 Water diverter/Leaf collector
- 10 Cover sleeve