



ROOFING

System Solutions for Roofs

SYSTEM OVERVIEW

Foreword

If the best material curtails creativity, what good is it? If the best idea cannot be realized, what good is it? Materials that foster creativity and lend form to ideas are required for individual solutions, as are consulting services that take technical perfection, structural physics and aesthetics into consideration.

RHEINZINK offers all of the above. Not only does the name stand for unique creative material to clad roofs and facades, but also for exemplary service to implement your ideas – regardless of the size of your project – big or small. We offer solutions that are as unique as your project. A comprehensive range of RHEINZINK roofing, facade, and the solar system product, along with diverse installation techniques, make it easy to find a perfect solution for every design.

RHEINZINK is extremely malleable; it is compatible with every architectural environment and its aesthetic is timeless. Furthermore, requirements for sustainable building using natural material are met without difficulty. Its lifetime comprises several generations and that, in and of itself, sets standards; its ecological balance is exemplary.

The examples in this brochure illustrate the design potential of RHEINZINK, along with various options available to you by using this ecological material.

Datteln, January 2013





Schwielowsee Resort, Werder, Germany



„Il sogno di Ivana“, Turin, Italy



Česká pojišťovna Pankrác – Administrative Building, Prague, Czech Republic

RHEINZINK-Double Standing Seam

The double standing seam is a further development of the original hollow folded joint or single standing seam. This reliable system has been referenced in technical literature since 1899 and is the top choice for roof pitches from 3° to 25°. Here, the name “double standing seam” characterises one of the conventional types of longitudinal joints above the water level. A fine-lined seam height of 25 mm is rainproof without any additional measures. The double standing seam, manufactured with pre-profiled panels, has gained international recognition. Seams are folded and closed manually or with a seaming machine. Custom shapes such as convex and concave curves and conical panels are produced without difficulty. Thanks to a multitude of detail variations, the double standing seam emphasizes both traditional and modern architectural design.

- Intricate shapes possible including convex and concave curves
- High degree of design freedom
- Panel lengths up to 16 m
- Suitable for all roof types with pitches from 3° to 25° and solar solutions
- Environmentally friendly declared product

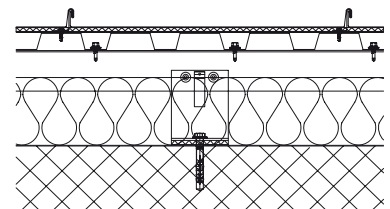
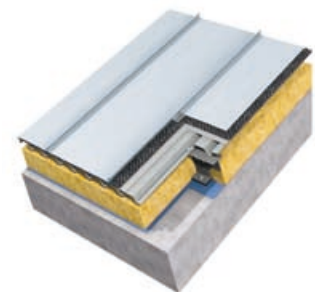


Fig. Cover page: Dorothy House Hospice, Bradford on Avon, United Kingdom
Fig. Left: Schwielowsee Resort, Werder, Germany



Private Residence, Stavoren, Netherlands



*Private Residence Montaña del Socorro,
Tafira Baja, Spain*

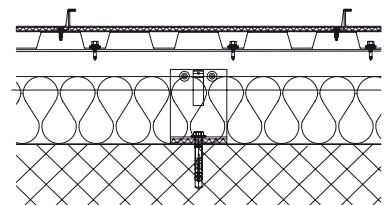
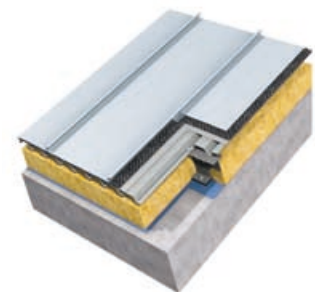


*Private Residence Möllmann, Bielefeld,
Germany*

RHEINZINK-Angled Standing Seam

Within conventional sheet metal techniques, the angled standing seam is a relatively new development; it has only been referenced in technical literature since the beginning of the 20th Century. Closing the seam of a pre-profiled panel is very easy compared with the double standing seam. The angled standing seam is completed simply by folding in one leg. It is particularly suitable for visible design areas on metal roofs where the pitch is greater than 25° , as well as for rounded parapets, attics or mansard roofs – in a conventional vertical, diagonal or horizontal application. As the angled standing seam looks wider than the double standing seam, it lends a vibrant, distinctive appearance to large surface areas.

- Design through distinct lines
- Cost-efficient for virtually every building style
- For roof pitches more than 25°
- Roof-applied solar solutions possible
- Environmentally friendly declared product





Hôtel du Louvre, Paris, France



Event Hall, Prague, Czech Republic

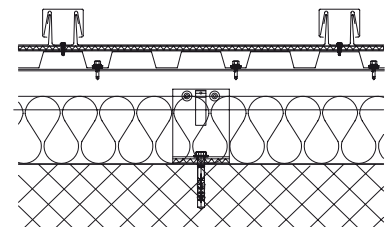
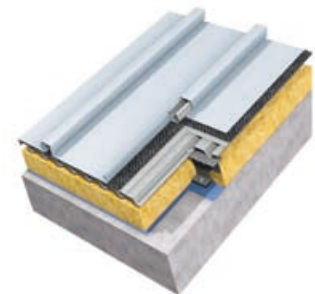


University of Fine Arts, Dresden, Germany

RHEINZINK-Click Roll Cap

The roll cap system with battens is one of the more traditional of today's prevailing sheet metal work techniques. The name "Click Roll Cap System" stands for a type of longitudinal joint, whereby the RHEINZINK-Click Roll Cap Fastener, made of galvanized steel, is used as a fastener between the panels. Both fastening alternatives are covered with a roll cap. Pre-fabricated, adjustable profiles support the design quality and sophisticated look. The dominant longitudinal joints typical of the click roll cap system create a strong structural effect; the interaction of light and shadow is striking and charming. This lends itself to interesting design possibilities for both roofs and large curtain walls. An even greater wealth of variations exists when the roll cap system is combined with double standing seam techniques.

- Bolder seam definition with roll cap joints
- Panel lengths of up to 20 m possible
- Additional design approach by combination with double standing seam technique
- Environmentally friendly declared product





Hotel Kempinski, Hohe Tatra, Slovak Republic



Elisabeth Heilbad, Miskolc, Hungary



Kaplan Residence, Illinois, USA

RHEINZINK-Tiles

Tiles are becoming more and more popular for roofing as well. Small RHEINZINK-Tiles (square and diamond-shaped) provide secure and aesthetically pleasing solutions, even for geometrically complicated building designs. Dormer, chimney head and roof edge cladding counts as part of conventional tile utilization. RHEINZINK-Flat-Lock Tiles are most effective for large roof areas and curtain walls. These represent a further development of the diamond-shaped and square tiles; they are impressive, not only because of their aesthetic appeal, but because of the design benefits. Using different sizes of tiles opens up a multitude of facade design possibilities.

- Distinct roof covering with a selection of tile sizes
- Smaller square or diamond shaped tiles as well as bigger flat-lock tiles available
- Perfect for curvelinear surfaces
- High degree of design freedom
- Environmentally friendly declared product

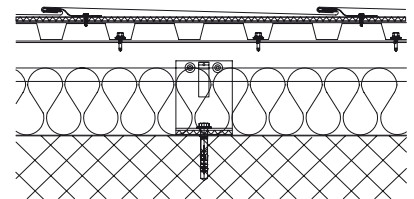
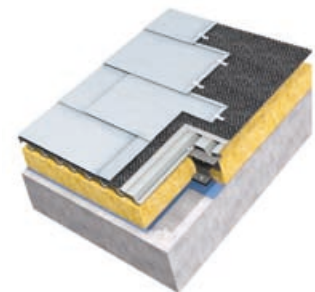


Fig. Right: Domkuppel San Pietro, Gattinara, Italy





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