

## AIR-Z® AND VAPOZINC®

The structured Mat and the structured Underlay from RHEINZINK

The result of  
18 years' experience!

## Reliable Protection from a single

### Source

Opting for a roof made of RHEINZINK always represents a decision for quality at the same time. The perfectly coordinated system structure made up of the AIR-Z structured mat or the VAPOZINC structured underlay and a RHEINZINK standing seam covering offers you reliable protection from a single source.

## Experience through Invention

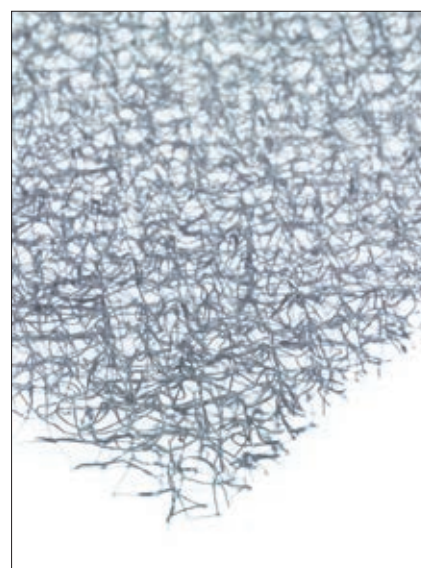
RHEINZINK is considered to be the inventor of the structured mat. It was developed by our engineers over 18 years ago as the sustainable and dependable solution to the problem of how to reliably protect the substructure of roofs covered with RHEINZINK from waterlogging and how to minimise noise. Since then millions of square metres have been successfully installed and ensure optimum moisture compensation. With AIR-Z and VAPOZINC we can now offer you two products which are perfectly tailored to our standing seam-roof systems.

# AIR-Z®

## The structured Mat from RHEINZINK

### Technical Data

Roll weight:	approx. 16 kg for an area of 75 m <sup>2</sup>
Roll width:	1.0 m
Roll length:	75 m
Roll diameter:	0.85 m
Weight:	210 g/m <sup>2</sup>
Tensile strength:	longitudinal > 1.3 kN/m transversal > 0.8 kN/m
Installation temperature:	> -5 °C
Service temperature:	-40 °C to +80 °C
Fire classification:	E as per EN 13501



AIR-Z is laid on large areas of underlay (e.g. made of bitumen) with substructures of wooden sheathing or derived timber (e.g. Oriented Strand Board). The main field of application is low-pitched metal roofs with pitches ranging between 3 and 15° or non-ventilated roof coverings and roof systems with a substructure consisting of derived timber products over the entire

surface. AIR-Z compensates for substructure tolerances (up to approx. 2 mm) and nail marks and improves the slide property of long sections. A further advantage over simple bitumen roof sheeting with an inlay of glass fibre is the improvement in reduction of the sound transmission resulting from rain, which can be as much as 9 dB (A) depending on the construction.

- For low-pitched standing seam roofs
- For installation on tight underlay
- Moisture-compensating
- Reduction of sound transmission resulting from rain
- The result of 18 years' experience
- Satisfies the criteria on "Hard roofing" as per DIN 4102 when used in combination with suitable bituminous roof sheeting

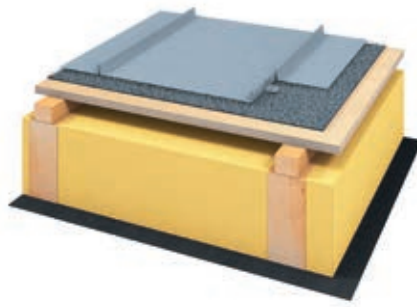


Fig. 1: Ventilated roof build-up with double lock standing seam, with VAPOZINC on 18 mm plywood

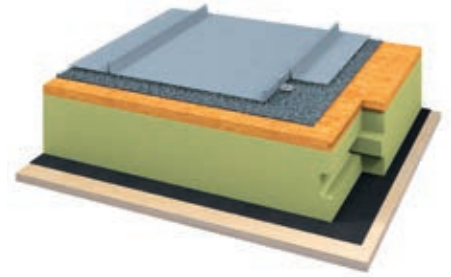


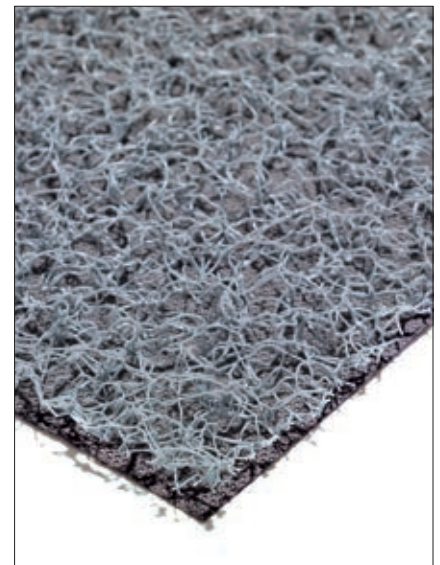
Fig. 2: Sealed roof build-up with double lock standing seam, with VAPOZINC on Linitherm PAL OSB insulation

## VAPOZINC®

The structured Underlay with vapour-permeable Membrane and double sided self-adhesive Seam Tape

### Technical data

Roll weight:	18 kg for an area of 42 m <sup>2</sup>
Covering width:	1.40 m (total width 1.50 m)
Roll length:	30 m
Roll diameter:	0.55 m
Weight:	400 g/m <sup>2</sup>
Tensile strength:	longitudinal > 4.0 kN/m transversal > 2.8 kN/m as per EN 12311-1
Resistance to water penetration s <sub>d</sub> -value	category W 1 as per EN 13589-1 0.02 m - 0.01 m/+0.04 m as per EN 1931
Installation temperature:	> -5 °C
Service temperature:	-40 °C to +80 °C
Fire classification:	E



VAPOZINC is a structured mesh backed with a breather roofing membrane. It reliably removes any moisture between the substructure and roof covering and can be installed on wooden sheathing as well as large base areas without moisture compensation such as derived timber products or insulation resistant to compression. The vapour-permeable roofing

membrane minimises the ingress of moisture during the construction phase while its structure simultaneously allows the roof to dry out. VAPOZINC lets the construction breathe. VAPOZINC reliably prevents the roof structure from becoming waterlogged. Roofing materials are also safely protected from corrosion and rotting on a long-term basis.

- Simple installation
- Vapour-permeable
- Moisture-compensating
- Protection from built-in moisture
- Seam self-adhesion, double sided
- Satisfies the criteria on "Hard roofing" as per DIN 4102 to a roof pitch of < 20°



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