



The Majestic Village, Kalk Bay, RHEINZINK®-Corrugated Roofing and RHEINZINK®-Gutter System

## RHEINZINK®-Corrugated Sheetting System

The RHEINZINK®-Corrugated Sheetting System for long-lasting and maintenance free roofing and facade cladding. This high quality product is pure zinc, with defined additions of titanium and copper. It is extremely corrosion resistant and needs no paint or any other surface protection. With its natural blue-grey finish it blends in harmoniously with all other materials. Add up these features and RHEINZINK®-Corrugated Sheetting System simply offers outstanding value for generations.

**Corrosion resistant even in marine environments**

**Maintenance free**

**Life expectancy for generations**

**Excellent life cycle costs**

**30 year material guarantee**

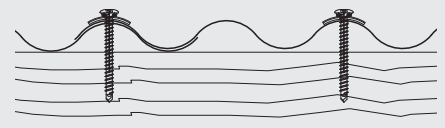
**Quick and easy installation for roof pitches from 10° to vertical (see technical data for restrictions)**

**Available in RHEINZINK®-“preweathered<sup>pro</sup> blue-grey”**

**Locally available**

**Technical assistance available for planner and installers alike**

**Natural and certified environmentally friendly building product**







RHEINZINK®-Corrugated Roofing with RHEINZINK®-Gutter and Drip Edge



View of chimney penetration with flashing



View of Ridge and Hip Flashing

### RHEINZINK®-Corrugated Roofing

The high quality appearance of RHEINZINK®-Corrugated Roof Sheet ensures that it is the ideal choice for all roofing requirements. In addition to the technical and economical advantages, it is also the visual benefit that makes RHEINZINK®-architecturally commendable.

### RHEINZINK® – The natural material – long-lasting and maintenance free

RHEINZINK® material is a high quality zinc alloy consisting of 99.995% high purity zinc with defined additions of titanium and copper. The material is neither galvanized nor coated. Through natural weathering a blue-grey patina develops. This makes RHEINZINK® extremely corrosion resistant and offers a service life of at least 80-120 years, even in marine environments. Thanks to this natural patina it does not require maintenance and preserves its outstanding properties for many generations.

### RHEINZINK® – Environmentally friendly

RHEINZINK® meets the most stringent ecological requirements. The material does not harm the environment, either during its manufacturing process or its lengthy service life. It is 100% recyclable and has a recycling rate of 98%. After a comprehensive evaluation of its entire life cycle, from the procurement of the raw material, processing, usage and recycling – the material RHEINZINK® was certified as an environmentally compatible building product.

### Quality Standard – 30 year guarantee

Opting for RHEINZINK® means opting for quality. Constant checks on chemical and mechanical consistencies, as well as material tolerances, have given RHEINZINK® the QUALITY ZINC award symbol and certification according to ISO 9001:2000. All RHEINZINK products fulfil the highest quality criteria. RHEINZINK® comes with a 30 year material guarantee (max. period allowed by German law).

### RHEINZINK – Distribution and Service

Through an association with SAFINTRA, availability is assured nation wide. For further assistance e.g. for details or calculations please contact RHEINZINK South Africa.

### Purlin Spacings

Purlin Spacings are dependent on both downward loading and negative suction loading caused by wind and installation loads. Your engineer should be consulted to calculate your load and purlin spacings. A broad guideline for purlin spacings is shown in the tables.

Gauge	Maximum Purlin Spacing for Roof Covering		
	Double Span	Single Span	Cantilever
mm	m	m	m
0.8	1.00	0.80	0.20
1.0	1.20	1.00	0.25

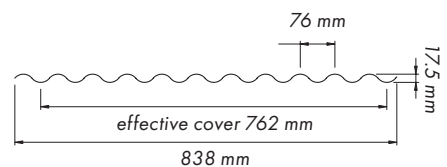
Tab.: Purlin Spacings, for max. uplift load of 1.6 kN/m<sup>2</sup> and max. superimposed distributed load of 1.5 kN/m<sup>2</sup>

### Fastener

Stainless steel screws with EPDM bonded sealant washers shall be used.

### Technical Data

Thickness:	0.80 mm or 1.00 mm
Sheet width:	838 mm
Cover width:	762 mm
Sheet length:	up to 5 m
Sheet weight:	0.80 mm: 5.3 kg/l mt (6.4 kg/m <sup>2</sup> ) 1.00 mm: 6.7 kg/l mt (7.9 kg/m <sup>2</sup> )
Min Roof pitch:	with single sheet (no endlaps) 10°; with endlaps 25°



### RHEINZINK®-Flashings

Cover flashings and trims for ridges, hips, and abutments etc, are all made of the same material RHEINZINK®.

Gauge	Maximum Purlin Spacing for Vertical Covering		
	Double Span	Single Span	Cantilever
mm	m	m	m
0.8	1.40	1.10	0.25
1.0	1.60	1.20	0.30

Tab.: Girth Spacings, for max. superimposed distributed load of 1.0 kN/m<sup>2</sup>

