

MATERIAL- DATA SHEET

RHEINZINK-Softzinc



- **LEAD-FREE**
- **FLEXIBLY FORMABLE**
- **NATURAL SURFACE**
- **SOLDERBLE AND EASY FOLDABLE**
- **NATURAL PATINA FORMATION**
- **100% RECYCLABILITY**

BASIC-INFORMATION

The positive material properties of this zinc alloy and the high corrosion resistance of a naturally forming patina ensure that RHEINZINK-Softzinc retains its advantageous properties over a long period of time without any maintenance or cleaning. The professional workmanship of roof connections on chimneys, dormers and walls requires a flexible and optimally formable material. RHEINZINK-Softzinc is the lead-free solution.

Specific weight 7.2 g/cm³

Building material class A1 (non-combustible)

DELIVERY FORM

Standard widths	
Softzinc "flat"	250 – 333 – 450 mm
Softzinc "pleated"	167 – 250 – 333 mm
Standard thickness	0.60 mm
Roll lengths	12 to 20 m
Weight	0.70 to 1.90 kg/m

IMPORTANT INSTALLATION INSTRUCTIONS

Bending radius	Minimum 1.75 mm
Soldering Recommendation	Soldering flux "ZD-pro" (company Felder), Overlap area 10 to 15 mm
Processing temperature	Warming up in temperatures below 10°C
Applications	Connection profiles, connections on chimneys

Note:

In the event of contamination due to external or environmental influences, please request the RHEINZINK cleaning recommendations. With these recommendations, RHEINZINK cannot guarantee that a new look will be created.

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RHEINZINK-Soft zinc

ALLOY

Zinc 99.995% (Z1 according DIN EN 1179),
Special High Graded (SHG) Zinc

CERTIFICATION

Quality management	Certified according to ISO 9001
Environmental management	Certified according to ISO 14001
Energy management	Certified according to ISO 50001

MECHANICAL-TECHNOLOGICAL PROPERTIES

0.2% proof stress (Rp0.2)	≤ 70 N/ mm ²
Tensile strength (Rm)	≤ 125 N/ mm ²
Breaking elongation (A50)	≥ 55%
Vickers hardness (HV3)	≤ 35
Folding test	3
Erichsen cupping	> 10.0 mm

PHYSICAL AND CHEMICAL PROPERTIES

Melting point /range	420 °C
Boiling point /range	906 °C
Density at 20 °C	7.2 g/ cm ³
Expansion factor	3 mm/ m · 100 K