

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 | Minimum 1.75 mm Soldering flux "ZD-pro" or "Power surface" (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 |
| Ericksen 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 |