

MATERIAL- DATA SHEET

RHEINZINK-CLASSIC
Additionally Soft



- **LEAD-FREE**
- **EASILY MALLEABLE**
- **MAINTENANCE-FREE
AND UV-RESISTANT**
- **EASY TO SOLDER
AND FOLD**
- **NATURAL
WEATHERING**
- **100% RECYCLABLE**

BASIC-INFORMATION

The favourable material properties of this zinc alloy and the high corrosion resistance of the naturally forming patina ensure that RHEINZINK-CLASSIC Additionally Soft retains its beneficial properties over a long period of time without any maintenance or cleaning. The professional installation of ornaments or roof flashings requires a flexible and highly malleable material. RHEINZINK-CLASSIC Additionally Soft is the lead-free solution for this.

Specific weight 7.2 g/cm³

Building material class A1 (non-combustible)

DELIVERY FORM

Standard widths	500 – 1000 mm
Standard thickness	0,65 / 0,70 / 0,80 / 1,00
Protective film	without

IMPORTANT INSTALLATION INSTRUCTIONS

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

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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CLASSIC

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ALLOY

Zinc	99,995 % (Z1 according DIN EN 1179)
Copper	0,090 - 0,120 %
Titan	0,035 - 0,045 %
Aluminium	0,045 - 0,055 %

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

Tensile strength (Rm)	120 - 145 N/mm ²
Breaking elongation (A50)	≥ 60 %
Vickers hardness (HV3)	33 - 39
Erichsen cupping	> 9,0 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