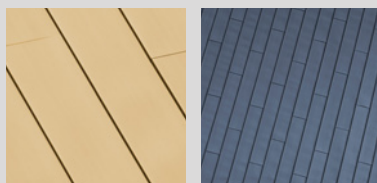
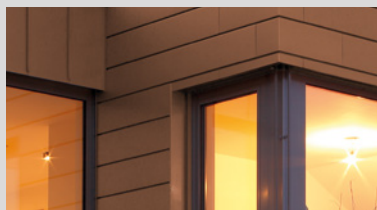


MATERIAL DATA SHEET

RHEINZINK-PRISMO



- **COLORED COATING
WITH NATURAL TOUCH**
- **VISIBLE ZINC-TYPICAL
STRUCTURE**
- **DURABLE AND
WEATHER RESISTANT**

RHEINZINK GmbH & Co. KG
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BASIC- INFORMATION

RHEINZINK-PRISMO is a color glazed coating, through which the zinc-typical structure remains visible. A total of six color variations open up a wide range of application and design possibilities for façades and roofs. At the same time, the color-pigmented surface offers resistant protection against various climatic and environmental influences.

Specific weight 7.2 g/cm³

Building material class A1 (non-combustible)

Titanium zinc according to DIN EN 988

Meets ASTM B69-21 Architectural Rolled Zinc Type 1

DELIVERY FORM

* Standard colors	brown	(RAL 8028)
	gold	(RAL 1024)
	green	(RAL 7009)
	red	(RAL 8025)
Standard width	500 – 1000 mm	
Standard thickness	0.70 – 0.80 mm	
	1.00 – 1.20 mm on request	
Protection film	Standard	
Coil inner diameter	508 mm as of 1000 kg	

* Production-related color deviations are possible.

IMPORTANT INSTALLATION INSTRUCTIONS

Bending radius	Three times material thickness
Soldering recommendation	Remove the coating abrasively, e.g. with paint remover disc. Soldering flux "ZD-Pro" (company FELDER) or architectural zinc compatible flux
Processing temperature	Overlap area 10 to 15 mm For sudden forming below 10°C outside temperature, heating by hot air dryer
Protective film	Remove the film immediately after installation

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

MATERIAL DATA SHEET

RHEINZINK-PRISMO

PRISMO brown

PRISMO gold

PRISMO green

PRISMO red



ALLOY

Zinc	99.995% (Z1 according DIN EN 1179)
Copper	0.10 – 0.20%
Titanium	0.07 – 0.12%
Aluminium	≤ 0.015%

CERTIFICATION

Quality management	Certified according to EN ISO 9001
Environmental product declaration	Verified according to ISO 14025, TYPE III and EN 15804 (Base material)

MECHANICAL-TECHNOLOGICAL PROPERTIES

0.2% yield strength (Rp0.2)	≥ 100 N/mm ²
Tensile strength (Rm)	≥ 150 N/mm ²
Breaking elongation (A50)	≥ 35%
Vickers hardness (HV3)	≥ 45
Folding tensile test	≥ 0.7
Erichsen cupping	≥ 8.0 mm

PHYSICAL AND CHEMICAL PROPERTIES

Melting point / range	420 °C
Boiling point / range	906 °C
Recrystallization limit	> 300 °C
Density at 20 °C	7.2 g/ cm ³
Expansion coefficient	
In the longitudinal direction	22·10 ⁻⁶ K ⁻¹
In the rolling transverse direction	17·10 ⁻⁶ K ⁻¹
Thermal conductivity	110 W/m·K

COATING PROPERTIES

Coating top side	PU, 35 µm
Coating underside	color coating, 5 µm
Corrosivity category according to DIN EN ISO 12 944-6	C5

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