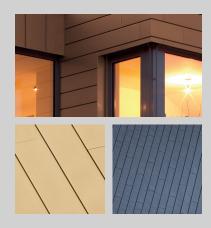


MATERIAL DATA SHEET

RHEINZINK-PRISMO



- COLOURED COATING WITH NATURAL TOUCH
- VISIBLE ZINC-TYPICAL STRUCTURE
- DURABLE AND WEATHER RESISTANT
- 30 YEARS QUALITY GUARANTEE

BASIC-INFORMATION

RHEINZINK-PRISMO is a colour glazed coating, through which the zinc-typical structure remains visible. A total of six colour 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 A2 (non-combustible)
Titanium zinc according to DIN EN 988

DELIVERY FORM

Standard colors (RAL information is Approximations)	black red gold green brown blue	(RAL 9004) (RAL 8025) (RAL 1024) (RAL 7009) (RAL 8028) (RAL 7031)
Maximum width Maximum thickness Minimum order quantity Protective film Coil inside diameter	1000 mm 1.0 mm 5000 kg per thickness Standard 508 mm at > 500 kg 400 mm at < 500 kg	,

IMPORTANT INSTALLATION INSTRUCTIONS

Bending radius

Three times the material thickness

Soldering recommendation

Soldering flux "ZD-pro" (company
Felder), Remove the coating abrasively, Overlap area 10 to 15 mm

Warming up in temperatures

below 10°C

Protective film Remove the film immediately after

assembly

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.

RHEINZINK GmbH & Co.KG Bahnhofstraße 90

45711 Datteln · Germany Tel.: +49 2363 605-490 Fax: +49 2363 605-291 E-Mail: info@rheinzink.de

www.rheinzink.com

MATERIAL **DATA SHEET**

RHEINZINK-PRISMO

ALLOY

99.995% (Z1 according DIN EN 1179) Zinc

0.10 - 0.20%Copper Titanium 0.07 - 0.12%Aluminum ≤ 0.015%

CERTIFICATION

Quality management Certified according to EN 988

MECHANICAL-TECHNOLOGICAL PROPERTIES

0.2% proof stress (Rp0.2) $\geq 110 \text{ N/mm}^2$ Tensile strength (Rm) Breaking elongation (A50) ≥ 40%

Vickers hardness (HV3) ≥ 45 Folding test

Bending back after folding

Erichsen cupping Permanent elongation in

creep (Rp0.1)

 $\geq 150 \text{ N/mm}^2$

no cracks on the bending edge no cracks after bend break

≥ 8.0 mm ≤ 0.1%

PHYSICAL AND CHEMICAL PROPERTIES

420 °C Melting point / range 906 °C Boiling point / range Recrystallization limit > 300 °C $7,2 \text{ g/cm}^3$ Density at 20 °C

Expansion coefficient

In the longitudinal direction 22·10-6 K-1 17·10-6 K⁻¹ In the rolling transverse 110 W/m·K Thermal conductivity $17 \text{ m/}\Omega \cdot \text{mm}^2$ Electrical conductivity

Viscosity dynamic at 500 °C: 0,0030 mPa·s

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