



ZINGALUFER

Zingalufer is a moisture-curing one component polyurethane that contains micaceous iron oxide flakes (MIO). The flakes create a special lamellar structure that produces an optimal barrier protection to the zinc layer underneath. The chemical inert pigmentation and the polyurethane binder provide a high chemical resistance. Zingalufer is used as a sealer on ZINGA, as an intermediate coat or topcoat.

PHYSICAL DATA AND TECHNICAL INFORMATION

WET PRODUCT

Components	- Micaceous Iron Oxides - Aluminium Silicates - Magnesium Silicates
Binder	Moisture curing aromatic polyisocyanate prepolymers
Density	1.52 kg/dm ³ (±0.05 Kg/dm ³) at 20°C
Solid content	- 79% by weight (± 2%) - 66% by volume (± 2%)
Type of thinner	Zingasolv or Thinner 41 (for colder environments)
Viscosity	105 KU (±5 KU) at 20°C
VOC	< 300 g/L (= 198 g/Kg)

DRY FILM

Colour	Grey
Gloss	Matt

PACKING

1 L	Available
5 L	Available
10 L	Available
20 L	Available

CONSERVATION

Shelf life	2 years in the original, unopened package.
Storage	Store in a dry environment at temperatures between -20°C and +40°C.

CONDITIONS

SURFACE PREPARATION

When the waiting time between the successive coats is abnormally prolonged or in extremely polluted areas, the coated surface can become contaminated. All contaminations that hamper the adhesion of the paint should be removed by appropriate means. Salt deposits or other water-soluble contaminations should be removed with water and brush, water under high pressure or steam. Possible white rust on ZINGA should be removed with water and rigid nylon brush.

ENVIRONMENTAL CONDITIONS DURING APPLICATION

Ambient temperature	- Minimum 0°C - Maximum 40°C
Relative humidity	- Minimum 30% - Maximum 98% - Do not apply on a damp or wet surface
Surface temperature	- Minimum 3°C above the dew point - No visual presence of water or ice

APPLICATION INSTRUCTIONS

GENERAL

Application methods	Zingalufer can be applied on top of ZINGA by brush and roller, conventional spray-gun or airless spraying.
Stripe coat	It is always recommended to treat corners, sharp edges and around nuts and bolts before applying a uniform coat.
Thinner	Zingasolv or Thinner 41. Thinner 41 can be better suited to use in colder environments.
Cleaning	Cleaning of equipment with Zingasolv.

APPLICATION BY BRUSH AND ROLLER

Dilution	5 to 10% with Zingasolv (or Thinner 41)
Type of brush or roller	Industrial round brush

APPLICATION BY CONVENTIONAL SPRAY-GUN

Dilution	10 to 15% with Zingasolv (or Thinner 41)
Pressure at the nozzle	3 to 5 bar, a higher pressure will result in a smoother finish.
Nozzle opening	1.2 to 1.8 mm

APPLICATION BY AIRLESS SPRAY

Dilution	5 to 15% with Zingasolv (or Thinner 41)
Pressure at the nozzle	100 to 300 bar
Nozzle opening	0.017 to 0.024 inch



TECHNICAL DATA SHEET

Ref.: Technische Fiches\TDS Zingalufer.EN

Product code: HLIB-ALUN

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www.zinga.eu

03/03/2022 - v4.1

APPLICATION ON ZINGA

Mist (tie) coat	- Application at least 4 hours after ZINGA is touch dry (at 20°C). - 25-40 µm DFT (continuous layer). - Maximum 15% dilution.
Full coat	- 2 hours after touch dry of mist coat at 20°C. - The DFT should not exceed 150 µm in one layer to avoid bubbling. To obtain high thicknesses without the risk of bubbling, the use of the additive AD-HB is recommended.

OTHER INFORMATION

COVERAGE AND CONSUMPTION

Theoretical coverage	- For 80 µm DFT: 8,3 m ² /L
Theoretical consumption	- For 80 µm DFT: 0,12 L/m ²

DRYING PROCESS AND OVERCOATING

Drying time	For 80 µm DFT at relative humidity of 75%:			
		10°C	20°C	30°C
	Dust dry	2,5 hours	1 hours	40 min.
	Touch dry	4 hours	2,5 hours	1,5 hours
	Dry to handle	6 hours	4 hours	3 hours
Overcoating	For 80 µm DFT at relative humidity of 75%:			
		10°C	20°C	30°C
	Minimum time	24 hours	6 hours	4 hours
	Maximum time	3 months	1 month	1 week
Remark: At longer intervals a good cleaning is necessary to avoid intermediate coat contamination which could disturb the adherence of the next coat.				

RECOMMENDED SYSTEM

ISO 12944	Tested according to ISO 12944-6 C5 High: ZINGA 1 x 60-80 µm DFT + Zingalufer 1 x 80 µm DFT
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For more specific and detailed recommendations concerning the application of Zingalufer, please contact a Zingametall representative. For detailed information about the health and safety hazards and precautions for use, refer to the Zingalufer safety data sheet.

The information on this sheet is merely indicative and is given to the best of our knowledge based on practical experience and testing. The conditions or methods of handling, storage, use or disposal of the product cannot be controlled by us and are therefore outside our responsibility. For these and other reasons we retain no liability in case of loss, damage or costs that are caused by or that are linked in any way to the handling, storage, use or disposal of the product. Any claim concerning deficiencies must be made within 15 days upon reception of the goods quoting the relevant batch number. We retain the right to change the formula if properties of the raw material are changed. This data sheet replaces all former specimens.