

## Technical data sheet

### Product description

<b>Intended use:</b>	Mipa Metallgrund Premium is a high-quality one-component anti-rust primer for iron and steel in interior and exterior use. The high content of zinc phosphate provides excellent active corrosion protection. Due to its heat resistance up to 150 °C, it is also suitable as primer on hot water radiators.		
<b>Characteristics:</b>	<ul style="list-style-type: none"><li>- Good flow, fast drying</li><li>- Waterproof and excellent weather resistance</li><li>- Excellent adhesion</li><li>- Free from lead and chromate</li><li>- Resistant to cleaning agents and if exposed temporarily also to oils, greases, petrol, acids and alkalis in low concentrations</li></ul>		
<b>Content according to VdL direction 01: (Association of German paint industry)</b>	Alkyd resin, titanium dioxide, mineral pigments / filling material, aromatics, ester, additives		
<b>Colour:</b>	approx. RAL 7032 pebble grey, approx. RAL 8004 copper brown		
<b>Specifications:</b>	viscosity	thixotropic	<b>DIN 53211</b>
	specific weight	approx. 1,45 g/cm <sup>3</sup>	<b>DIN EN ISO 2811</b>
	gloss level	matt	
<b>Storage:</b>	Storable for at least 3 years in unopened original container.		
<b>VOC regulation:</b>	EU limit value for the product (cat. A/i): 500 g/l This product contains max. 400 g/l of VOC.		

### Application

<b>Processing conditions:</b>	Do not apply at an air and object temperature of below +10 °C and at a relative air humidity of more than 80%. Ensure adequate air ventilation during the application and drying.		
<b>Substrate preparation:</b>	The substrate must be clean, dry, solid and free from dust, oil, grease and corrosion. De-rust iron and steel surfaces to bare metal. Remove dirt and adhesion-inhibiting substances like oils and greases. Remove thoroughly mill scale and rolling skins. Check intact shop primers or intact old paintworks for suitability, solidity and adhesion. Remove completely damaged, non-adherent coats. Sand slightly and clean well adherent coats.		
<b>Mode of application:</b>	Mipa Metallgrund Premium is ready to be applied by brush and roller. If necessary, thin with 5-10% of Mipa UN-Verdünnung or Verdünnung UN 21.		
<b>Drying time: (20 °C / 65% relative humidity)</b>	Dust dry after	approx. 30 min.	
	Recoat after	approx. 2 h.	
	Fully cured after 5-6 days (at 20 °C). Lower temperatures, higher air humidity and higher coat thicknesses extend the drying time		

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**Coating structure:**

**Pre-treatment**

Degrease with Mipa Silikonentferner or Mipa WBS Reiniger

**Priming**

1 - 2 coats with Mipa Metallgrund Premium

Sand slightly and clean well preserved coatings. Apply Mipa Metallgrund Premium only on bare metal surfaces and repair defective areas. Remove completely poorly adherent coatings with Mipa Abbeizfluid Quick-Plus and rinse thoroughly.

**Intermediate coating**

If necessary with use Mipa Malervorlack HS or Mipalux Weiß- or Buntlacken

**Finishing**

Overcoat with Mipalux Weiß- or Buntlacken

**Spreading rate:**

approx. 8 m<sup>2</sup>/l per coat depending on the substrate

A test coat on the object would give you an exact figure.

**Special note**

A direct adhesion cannot be taken as granted due to most different kinds of metals, alloys, metallic and conversion coatings, etc. The adhesion must therefore be tested on the original metal substrate.

Without top coating, the primed objects can be stored outside for approx. 5 days.

**Safety advice**

Do not breathe vapour/ aerosol. Only use outdoors or in well-ventilated rooms. Keep away from heat/hot surfaces/ sparkles/ flames and other source of ignition. Do not smoke, drink or eat during work. Keep out of reach of children.

**Cleaning of tools**

Clean tools with Mipa Nitroverdünnung immediately after use or before longer interruptions of work. Remove dried films with paint stripper.

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