



MONOPRIMER

ZM-RE-PRO-04-A (01/08/06)

Monoprimer is a one component moisture curing polyurethane primer.

It is an ideal product to treat:

- sand blasted as well as
- manually derusted surfaces.

Its lamellar structure together with its moisture curing properties provide a very good impermeability and keeps water and oxygen away from the surface underneath it.

We advise the use of this product where complete derusting isn't possible (e.g.: old bridges, pylons,...).

Physical data and technical information

• Wet product

Components	- zinc powder - micaceous iron oxide - silicates
Binder	moisture curing polyisocyanates
Density	1,69 Kg/L (\pm 0,05 Kg/L)
Solid content	- 77% by weight (\pm 2%) - 56% by volume (\pm 2%)
Viscosity	105 KU (\pm 5 KU) at 20°C
VOC	320 g/L (= 190 g/Kg)

• Dry film

Colour	Dark grey
Gloss	Mat

• Packing

1 L	Available (packed in undividable boxes of 6 x 1 L)
4 L	Available
20 L	Available

• Conservation

Storage	2 years in the original, unopened package stored in a dry environment at temperatures between -20°C and +40°C.
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Application data

- **Surface preparation**

All contaminations of the surface which can hamper a good adherence should first be removed by appropriate means. Surfaces which are contaminated by oil or grease should be washed down with solvent, alkaline solutions or emulsifier. Salt deposits or other water soluble contaminants should be removed by washing with water and brush, using high pressure or steam-jet. Remove all not or badly adhering old paintfilms. Remove all not adhering rust with mechanical tools until a derusting degree of St 2. Remove dust.

- **Coverage and consumption**

Theoretical coverage	- for 40 µm DFT: 13,75 m ² /L - for 60 µm DFT: 9,17 m ² /L - for 80 µm DFT: 6,88 m ² /L
Practical coverage	depends upon the roughness profile of the substrate and the application method

- **Environmental conditions during application**

Ambient temperature	- minimum 0°C - maximum 35°C
Relative humidity	- minimum 30% - maximum 98%
Surface temperature	- minimum 3°C above the dew point

- **Drying process and overcoating**

Drying time	for 60 µm DFT at relative humidity of 75%: - 10°C: dustdry: 3 hours tackfree: 4 hours dry: 6 hours - 20°C: dustdry: 1 hour tackfree: 2 hours dry: 3 hours - 30°C: dustdry: 40 minutes tackfree: 1,5 hours dry: 4 hours
Overcoating	for 60 µm DFT at relative humidity of 75%: 10°C: minimum: 16 hours maximum: 1 month 20°C: minimum: 4 hours maximum: 3 weeks 30°C: minimum: 3 hours maximum: 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.



Instructions for use

- **Application by brush and roller**

Dilution	5 to 10% (by weight) with Zingasolv
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- **Application by spraying with air**

Dilution	10 to 20% (by weight) with Thinner 41
Pressure at the nozzle	3 to 5 bar
Nozzle opening	1,2 to 1,5 mm

- **Application by airless spraying**

Dilution	5 to 15% (by weight) with Thinner 41
Pressure at the nozzle	100 to 200 bar
Nozzle opening	0,43 to 0,61 mm (0,017 to 0,024 inch)

- **Remarks**

Extreme conditions	Zingasolv can be preferred when applying by pistol.
Stripe coat	It is always recommended to treat corners, sharp edges, bolts and nuts before applying a uniform coat.
Layer thickness	Recommended: 40 to 80 μm Maximum: 120 to 140 μm
Cleaning	With Thinner 41 or Zingasolv

For more specific and detailed recommendations concerning the application of Monoprimer, please contact the Zingametall representative. For detailed information about the health and safety hazards and precautions for use, please refer to the Monoprimer **safety data sheet**.

Waiver*

* 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 3 months 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.