

# Data Sheet



## ROKOPOX MASTIC MIO RK 301- M

### Characteristic:

Dispersion of pigments and fillers in a solution of special high solid epoxy resin in organic solvents with additives and ferrous mica.

### Recommended use:

ROKOPOX MASTIC MIO RK 301- M - two-component high build, high solid, epoxy paint with a low VOC and TOC content. It is suitable as a self-priming paint, an intermediate coat in multicoat paint systems or as a topcoat in epoxy paint system for medium or heavy corrosivity category. Contains ferrous mica (MIO) which guarantees a high barrier corrosion protection. It is also suitable for galvanized surfaces. It is also tolerant for non-ideal surface preparation.

### Technical data:

#### **Dry film properties:**

Colour Shade	MIO- medium gray
Gloss degree	semi-gloss
Hiding power	1 – 2
Crosshatch adhesion	degree 0 (according to CSN ISO 2409)

#### **Paint without cure (A) :**

Viscosity delivered	thixotropic ( F4/20 °C acc. CSN 673013)
Total solids	approx. 86,1% ( by weight )
Density	1,7 g/cm <sup>3</sup>
Inflammation point	>23 °C,
Shelf life	12 months in closed can at +5 up to +30 °C

#### **Paint with cure (A+B):**

Total solids	min. 87,5 % (by weight )
Total solids	80 % (by volume)
Density	1,63 g/cm <sup>3</sup>
TOC content	125 gC/1 kg
VOC content	99 g/ kg
TOC content in 1 micr.d.c..t.	0,201 gC/1 m <sup>2</sup>
TOC content in 150 micr.d.c..t.	30,2 gC/m <sup>2</sup>
Spreading rate	approx. 3,3 m <sup>2</sup> /kg (at 150 µm dry coat thickness)

**Application:** brushing, H.P.spraying, roller coating

**Hardening:** Rokopox Mastic MIO RK 301 –M part A : Hardener part B = 9:1 by weight=5,3:1 by volume

**Pot life:** approx. 3 h at 20 °C

**Thinning and cleaning:** S6300 or Rokopox ředidlo RK 031 thinner

**Drying:** degree 1 – dust-free: 4 h at 20 °C  
degree 4 – dry to handle 24 h at 20 °C

Oven drying:

If accelerated drying process (by circulating air) is used, following drying times (the air blasting time of 15 min at 20 °C is to be kept in any case!) can be achieved:

45 min at 80 °C or  
30 min at 100 °C

Note : temperatures and times must be tested according to the thickness of the paint system in cooperation with Rokospol technician

Sheet 1 (total 2)	Rokospol a.s., závod Kaňovice č. 101, 76341, tel. – 577 110 132-3, fax – 577 110 136, e-mail:rokospol@rokospol.cz, <a href="http://www.rokospol.cz">http://www.rokospol.cz</a>	Update: FB 21.12.2012/22.12.2014
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### Paint application of self-priming coating for steel structures:

- primary surface treatment – degreasing and subsequent mechanical cleaning of the surface to the degree min.St.2 or blasting to the surface cleanliness Sa 2.5 (ISO 8501-1)

- 1-2x crosswise priming coat with Rokopox Mastic MIO RK 301-M , the total dry coat thickness of paint system approx 200 µm,

( recoating with the same paint ROKOPOX MASTIC MIO RK 301- M – after 24 h., at 20°C)

When high-pressure spraying equipment is used - need to be used nozzle 0,45 – 0,58 nozzle pressure min. 180 atm

Dry coat thickness values for:

brushing	50 – 100 µm
H.P.spraying	50 – 200 µm
Roller coating	50 – 100 µm

### Notice:

All data presented in this data sheet are of a recommending nature only. They are based on our best knowledge as well as on a thorough research in accordance with the up-to-date state of technology. These data cannot be interpreted as legal binding. In addition to that, see our terms of trade.

Safety data sheets in accordance with 91/155/EWG on request.

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