# *Mipa Reflektor-Spray*

*Item no 68242 0000*

***Technical data sheet*** 

## *Intended use*

Mipa Reflektor-Spray is a marking spray that, thanks to its special pigmentation, guarantees excellent light reflection in the dark. Surfaces coated with Mipa Reflektor-Spray reflect incident light extremely effective and so that the surfaces extremely "light up". The effect is comparable to e.g. traffic signs that reflect the car headlights at night. Mipa Reflektor-Spray is therefore perfectly suitable for the following areas of application, for both interior & exterior use:

Road markings: routes at sporting events, parking, danger zones, etc.

Warning markings: e.g. bollards and other objects that are easily overlooked on the road, anti-collision facilities, danger areas, dangerous machine and system parts in workshops, industrial companies, etc..

Mipa Reflektor-Spray is easy to apply, dries quickly and adheres to a variety of substrates.

## *Processing instructions*


### Substrates

Steel, galvanised steel, aluminium, wood, stone, solid old paintworks, mineral substrates, asphalt and plastics (due to the variety of plastics, we recommend carrying out a test application and adhesion tests ).

### Pre-treatment / cleansing

Please refer to the section “Substrate preparation” for detailed information.

### Characteristics

Fast drying
Immediate strong reflection at night or in the dark
High reflection effect (up to approx. 30 - 40 m)
Lightfast and non-yellowing
Depending on the substrate and the load, reflects light for several months up to approx. 1 year

### Colour / gloss level

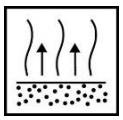
Glazing to grey (at daylight), depending on the film thickness

### Preparation

Before use, shake aerosol until the metal balls inside the can rattle, then shake vigorously for another 2 - 3 minutes!

### Application

Spray to test - spray distance approx. 20 - 30 cm
Apply several thin layers, effect increases with increasing coat thickness (recommended dry film thickness: 30 - 60 µm)
Shake the spray can regularly during use and between coats.



### Flash-off time

3 - 5 min between coats





MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49(0)87 03/922-0 · Fax: +49(0)87 03/922-100 · mipa@mipa-paints.com · www.mipa-paints.com

### After use

After use, turn can upside down and spray until the valve is clean, this prevents the valve from clogging up.

### Drying times at 20 °C

| | |
|---|---|
| Dust dry after approx. | 5 - 10 min |
| Set to touch after approx. | 20 - 30 min |
| Fully resistant after approx. | 12 - 16 h |

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| **Processing conditions** | From +10 °C and up to 80 % relative air humidity. Ensure adequate air ventilation. |
| **Storage** | Can be stored for 2 years in cool and dry places. |
| **VOC-regulation** | EU limit value for this product (cat. B/e): 840 g/l<br>This product contains max. 710 g/l of VOC. |
| **Safety information** | See safety data sheet |

### Substrate preparation:

The substrate must be clean and dry. Remove oil, grease, rust, mill skill, rolling skin as well as other substances impairing the function of the coating!

Remove old coatings or primers that have not cured or are not sound.

**Steel substrates:**
1. Pre-clean with Mipa Silikonentferner.
2. Then dry sand with P 120.
3. Afterwards, degrease with Mipa Silikonentferner.

**Aluminium substrates + galvanised substrates (strip galvanising / continuous hot-dip galvanising) and electrogalvanising:**
1. Pre-clean with Mipa Silikonentferner.
2. Then dry sand with P 220.
3. Afterwards, degrease with Mipa Silikonentferner.

**Galvanised substrates (batch galvanising / discontinuous hot-dip galvanising), surface cleansing with the ammonia solution Mipa Zinkreiniger:**
1. Mix Mipa Zinkreiniger 1 : 1 with water.
2. Wet sand thoroughly with a corundum synthetic non-woven web to a matt finish.
3. Allow the resulting metallic grey suspension to work for approx. 10 minutes.
4. Sand again.
5. Afterwards, rinse thoroughly with water and allow the surface to dry.





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**GRP:**
1. Before painting, reheat the object to be painted for 60 minutes at 60°C.
2. Degrease with Mipa Kunststoffreiniger antistatisch or Mipa Silikonentferner.
3. Sand thoroughly with P 240 - P 320.
4. Clean again with Mipa Kunststoffreiniger antistatisch or Mipa Silikonentferner.
5. Allow parts to dry completely.
6. Recommended for neutralising electrostatic charges:
Blow off the surfaces by means of MP Ionisierungspistole X-ION, cleans and neutralises in one operation, reduces dust inclusions when coating. In addition, this avoids differences in pigment orientation when overcoating with metallic/ effect basecoats.

ATTENTION: Releasing agents must be removed completely! After the previously mentioned preparation, we recommend doing a wetting test with water. If the water drops roll off quickly, repeat the pre-treatment.

**Intact, sound old paintworks, factory paintings:**
1. Pre-clean with Mipa Silikonentferner.
2. Then sand with P 320.
3. Afterwards, degrease with Mipa Silikonentferner.

**Cathodic e-coating / shop primer:**
1. Pre-clean with Mipa Silikonentferner.
2. Then sand with MP Softpad Superfine or with P 320.
3. Afterwards, degrease with Mipa Silikonentferner.

**Plastic substrates:**
1. Before painting, reheat the object to be painted for 60 minutes at 60°C.
2. Degrease with Mipa Kunststoffreiniger antistatisch or Mipa Silikonentferner.
3. Sand thoroughly with MP Softpad Superfine using Mipa Kunststoffreiniger antistatisch or Mipa Silikonentferner.
4. Clean again with Mipa Kunststoffreiniger antistatisch or Mipa Silikonentferner.
5. Allow parts to dry completely.
6. Recommended for neutralising electrostatic charges:
Blow off the surfaces by means of MP Ionisierungspistole X-ION, cleans and neutralises in one operation, reduces dust inclusions when coating. In addition, this avoids differences in pigment orientation when overcoating with metallic/ effect basecoats.

ATTENTION: Releasing agents must be removed completely!

After the previously mentioned preparation, we recommend doing a wetting test with water. If the water drops roll off quickly, repeat the pre-treatment.

Due to the wide range of plastic types and compounds available on the market, preliminary tests on original parts are indispensable.

**Wood, stone, asphalt, mineral substrates, etc.:**
Remove dust by sweeping or vacuuming, surfaces must be dry, clean and solid.





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