Intended use

Mipa Protector 2K-Spray is a highly resistant 2K polyurethane-acrylic paint for a scratch-resistant and robust coating of truck bed surfaces (e.g. pick-up truck beds) and of all heavy duty surfaces on commercial vehicles, off-road vehicles, camping cars, trailers and SUVs etc. in the colour black.

Possible application areas:

- bodies of SUVs and off-road vehicles
- rims of SUVs and off-road vehicles
- floors and storage areas in caravans
- underbodies and chassis
- bullbars, running boards, roof rack, spare wheel covers, etc.
- fender well
- access ramps, decks of recovery vehicles and trailers

Beside its very high wear resistance, Mipa 2K-Protector Spray provides also an excellent mechanical and chemical. The very high vertical stability allows applying extremely high-build coats.

Processing conditions

Substrates

Primed steel, zinc and aluminium substrates, primed wood substrates, GRP, sound and 2K-resistant paintworks, primed plastics

Pre-treatment / cleansing

See “Substrate preparation”

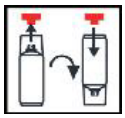
Characteristics

High UV and weathering resistance
Excellent shock and scratch resistance
High resistance to fuels and oils
Excellent water resistance
Provides noise reduction
Heat resistance:
Short-term temperature exposure: 180 °C
Permanent temperature exposure: 150 °C

Colour / Gloss level black / matt - satin matt

Preparation

Before use, shake can vigorously for 1 - 2 min!



Right before spraying, take the red button from the cap, turn the spray can 180° and attach the button to the pin on the bottom of the aerosol.

Place the spray can with the cap upside down on a solid surface. Press the red button down with the heel of your hand until a stop is reached.

After the activation, shake can again vigorously.

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

Product video
Scan the QR code to watch the product video.

Flash-off time
20 min between coats
10 - 15 min prior to oven drying

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

Drying time at 20 °C

Dust dry after approx.	20 - 30 min
Set to touch after approx.	60 - 70 min
Ready for assembly after approx.	24 h

Processing conditions	From +10 °C and up to 80 % relative air humidity. Ensure adequate air ventilation.
Storage	Can be stored for 3 years in a cool, dry place.
VOC-regulation	EU limit value for this product (cat. B/e): 840 g/l This product contains max. 840 g/l of VOC.
Safety information	See safety data sheet

Processing instruction

Spreading rate: Spray can content is sufficient for approx. 1.4 m^2

Pot life approx. 1.5 h at 20 °C

To ensure that the desired texture is achieved, we recommend carrying out a test coating.

Texture and gloss level have an effect on the colour shade.

To achieve a uniform texture, apply the second spray pass as trop coat.

Spray distance and spray pressure change the texture.

Masking and tapes painted with Mipa Protector must be removed immediately after painting. Otherwise, there is a risk that the fresh paint will be removed with the adhesive tape.

Not suitable for coating of very oily and very resinous wood (e.g. teak).

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

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.

Do not use on thermoplastic substrates.

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.

For application on steel, aluminium and galvanised substrates: First prime with suitable Mipa adhesion promoters or primers / fillers, e.g. Mipa Fast-Filler-Spray, Mipa 1K-Epoxy-Primer-Spray, Mipa Rapidprimer-Spray, Mipa Rapidfiller-Spray, Mipa Etch-Filler HB Spray, Mipa 2K-EP-Grundierfiller-Spray. Observe the corresponding Mipa technical data sheets.

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.

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

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.

For application on plastics: First prime with suitable Mipa adhesion promoters or primers for plastics, e.g. Mipa 1K-Haftpromoter-Spray, Mipa Kunststoffprimer-Spray, Mipa 1K-Plastic-Grundierfiller-Spray. Observe the corresponding Mipa technical data sheets.

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

Possible spray textures

flat, wavy texture:

1. Apply generously 1 coat from a distance of 90 cm, moving the spray can slowly over the panel, applying the paint material evenly and overlapping, each pass until a closed paint film is achieved.

2. Turn can upside down and spray until the valve is clean.

3. After approx. 20 min. flash-off at ambient temperature, apply a second coat in the same way as the first coat.

4. Turn can upside down and spray until the valve is clean.

coarse wavy texture:

1. Apply generously 1 coat from a distance of 90 cm, moving the spray can slowly over the panel, applying the paint material evenly and overlapping, each pass until a closed paint film is achieved.

2. Turn can upside down and spray until the valve is clean.

3. After approx. 20 min. flash-off at ambient temperature, apply a lighter second coat, moving the spray can faster and increasing the distance to f 100 cm.

4. Turn can upside down and spray until the valve is clean.

Fine, satin matt texture:

1. Apply a thin coat from a distance of 90 cm, moving the spray can quickly and applying the paint material evenly.

2. Turn can upside down and spray until the valve is clean.

3. After approx. 20 min. flash-off at ambient temperature, apply a second coat in the same way as the first coat.

4. Turn can upside down and spray until the valve is clean.

Matt, rough texture:

1. Apply 1 thin drop coat from a distance of 100 cm until opacity is achieved.

2. Turn can upside down and spray until the valve is clean.

3. After approx. 20 min. flash-off at ambient temperature, apply a 2nd very, light coat, increasing the distance to 110 cm in order to ensure the formation of a rough texture.

4. Turn can upside down and spray until the valve is clean.

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