

### Intended use

Mipa Protector tintable is providing an excellent mechanical and chemical resistance (e. g. truck beds). The excellent filling power enables extremely high-build properties. Easy to apply since 750 ml paint material is already filled in 1,1-litre underbody can. Just add 250 ml of Mipa 2K-Hardener MS10 LV. Close the can and shake thoroughly for 1 min., add 100 ml paint, close the can and shake thoroughly for 1 min. again and apply this mixture using the underbody applicator.

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 racks, spare wheel covers and so on
- fender well
- access ramps, decks of recovery vehicles and trailers

Properties:

- high UV and weathering resistance
- excellent shock and scratch resistance
- high resistance to fuels and oils
- excellent water resistance
- provides noise reduction
- short-term temperature exposure: 350 °F (180 °C)
- permanent temperature exposure: 300 °F (150 °C)

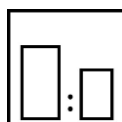
Spreading rate: 128 sq. ft (12 m<sup>2</sup>) by 8 mil (200 µm) dry film thickness.

### Processing instructions



#### Colour

transparent



#### Mixing ratio

##### hardener

MS Hardeners LV

##### by volume lacquer :hardener

3 : 1 by volume

Protector Set

750 ml Mipa Protector tintable + 250 ml Mipa 2K-Hardener MS 10 LV  
+ 100 ml Mipa BC basecoat or Mipa Multi-Tint



#### Hardener

##### for complete, very large paintwork

Mipa 2K-Hardener MS 25 or 35 LV possible.

##### for partial paintwork e.g. truck bed

Mipa 2K-Hardener MS 10 LV

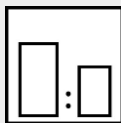


#### Pot life

45 - 60 min. with Mipa 2K-Hardener MS 10 LV at 70 °F (20 °C)

60 - 80 min. with Mipa 2K-Hardener MS 25 LV at 70 °F (20 °C)

1,5 - 2 hours with Mipa 2K-Hardener MS 35 LV at 70 °F (20 °C)



### Mixing procedure for applications with underbody applicator or HVLP gravity equipment

1. Shake Mipa Protector Tintable vigorously.
2. Open the can, add 250 ml of hardener, close the lid and shake vigorously for approx. 1 minute.
3. Open the can, add 100 ml of paint, close the lid and shake vigorously for 1 minute again.

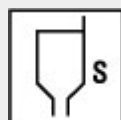
### Mixing procedure for applications out of standard quantity.

1. Shake Mipa Protector Tintable vigorously.
2. Pour the paint in a mixing cup, add the hardener in a mixing ratio of 3 : 1 by volume and mix thoroughly.
3. Add 100 ml of paint, close the lid and shake vigorously for 1 minute again.

More additional information see below at Application mode.

### Thinner

Mipa ZERO VOC Thinners or Acetone.



### Spray viscosity

**HVLP (low pressure)**

See application mode below

**Mipa UBS-Flex**

undiluted



### Application mode

**Application mode**

**nozzle  
(mm)**

**dilution**

**How to apply a rough texture**



MP applicator  
UBS Flex

-

-

1. Apply an uniform coat with a pressure setting of 29 - 57 psi (2 - 4 bar) until full coverage is achieved.
2. Observe flash-off time of between 10 - 60 min.
3. To achieve the desired texture reduce the pressure to 14 - 21 psi (1 - 1,5 bar) and increase the spray distance up to approx. 1,5 - 2 ft (45 - 60 cm).

HVLP  
(low pressure)

2,5

10 %

1. Apply an uniform coat with a pressure setting of 29 psi (2 bar) until full coverage is achieved.
2. Observe flash-off time of between 10 - 60 min.
3. To achieve the desired texture reduce the pressure to approx. 14 psi (1 bar) and increase the spray distance to approx. 1,5 - 2 ft.

**Application mode**

**nozzle  
(mm)**

**dilution**

**How to apply a medium texture**



MP applicator  
UBS Flex

-

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1. Apply an uniform coat with a pressure setting of 29 - 57 psi (2 - 4) bar until full coverage is achieved.
2. Observe flash-off time between of 10 - 60 min.
3. To achieve the desired texture reduce the pressure to approx. 29 psi (2 bar) and increase the spray distance to approx. 1,5 - 2 ft.

HVLP  
(low pressure)

2,0 - 2,5

15 %

1. Apply an uniform coat with a pressure setting of 29 psi (2 bar) until full coverage is achieved
2. Observe flash-off time between of 10 - 60 min.
3. To achieve the desired texture reduce the pressure to approx. 21 psi (1,5 bar) increase the spray distance to approx. 1,5 - 2 ft.



### Application mode

MP applicator  
UBS Flex

### nozzle (mm)

-

### dilution

10 %

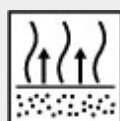
### How to apply a fine texture

1. Apply an uniform coat with a pressure setting of 29 - 57 psi (2 - 4) bar until full coverage is achieved.
2. Observe flash-off time of between 10 - 60 min.
3. To achieve the desired texture, set the pressure to 43 - 56 psi (3 - 4 bar) and increase the spray distance to approx. 3 feet (90 cm).

HVLP  
(low pressure)

1,6 - 1,8 20 %

1. Apply an uniform coat with a pressure setting of 29 psi (2 bar) until full coverage is achieved.
2. Observe a flash-off time of between 10 - 60 min.
3. To achieve the desired texture increase the spray distance to approx. 3 feet (90) cm.



### Flash-off time

5 - 10 min. between coats

10 - 15 min. prior to oven drying

### Dry film thickness

4 - 12 mil (100 - 350 µm)



### Drying time

Object temperature.	dust dry	set to touch	ready for assembly	sandable	recoatable
70 °F (20 °C)	15 - 20 min	3 - 4 h	24 h	--	--
140 °F (60 °C)	--	30 min	1 - 2 h	--	--

Fully cured after 7 days 70 °F (20 °C).

### Note

#### Storage:

In tightly closed original containers at least 3 years shelf life.  
Storage temperature range 50 - 86 °F ( 10 - 30 °C).  
Protect package from direct sunlight and heat.

#### VOC Regulation:

VOC as packaged:  
less exempt solvents 370 g/l / 3.1 lb/gl  
with exempt solvents 415 g/l / 3.49 lb/gl

VOC as applied:  
This product content max. < 420 g/l / 3.5 lbs / gal.

Always check local VOC laws to ensure that the use of Mipa products is compliant in your area.

#### Processing conditions :

from 50 °F (10 °C) and up to 80 % relative air humidity.  
Ensure adequate supply and exhaust air ventilation.

#### Substrate preparation:

Substrate has to be free from grease and oil.  
Dry sand with P120 - P240 grid sand paper, (remove all traces of rust and mill scale) and degrease. For best results bare metal should be treated with a Mipa 1K or 2K Primer.  
For hard to reach areas such as internal corners coat first with Mipa 1K Adhesion Promoter 7.0.

**Application notes:** When you mix a BC-Basecoat formulation from Mipa Mix, don't use VDG in the formulation to avoid a reduction of viscosity.

We recommend to spray a test panel first to ensure the desired texture is achieved.

To achieve an uniform surface apply Mipa Protector in a sweeping motion.  
Play with air pressure and distance to get the desired texture.

Don't apply Mipa Protector directly in the sun. Product temperature: 59 - 79 °F (15 - 26 °C)

Rolling of Mipa Protector results in a lower build. Mohair or micro fibre rolls are recommended.  
Pile height 4 - 9 mm. Don't use foam rolls. Apply Mipa Protector in 2 - 3 layers with a flash off time of 30 min. - 1 hour between the coatings.

Do not use Mipa Protector directly on oily, resinous wood like teak, pitchpine, a. s. o.

Remove all masking tape while final coat is still wet.

Do not allow Mipa Protector to come in contact with water/rain for at least 3 days.

Do not place heavy loads on the surface until Mipa Protector is fully cured (within 7 days)

Tools should be cleaned immediately after using.

**Safety aspect:** For professional use only. Not for sale to or use by the general public. Before opening the packages be sure you understand the warning Messages on the Labels and Safety Data Sheets of all components since the mixture will have the hazards of all of it's parts. The manufacturer recommends the use of an air supplied Respirator when exposed to vapors or spray mist.

**Medical Response:** Emergency Medical or Spill Control Information 011 49(0)70024112112 (MIP)  
US Emergency Phone Number (for transportation incidents only) 1-800-535-5053 Infotrac

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