

Intended use

Mipa PROTECT Easy Clean is a highly effective anti-graffiti surface protection to recondition and to seal very different surfaces.

Characteristic features of application and surface protection are:

Mipa PROTECT Easy Clean is applied in a very thin (5 - 10 µm), even layer that doesn't require any polish. The resulting, very thin protection film is therefore clearly visible and acts as a thin clearcoat. Although there are visible application marks due to this, for example large, weathered old paintworks can be refreshed easily and quickly and give new shine.

Its special formulation assures a highly efficient reconditioning effect and anti-graffiti protection. A protective coating with Mipa PROTECT Easy Clean has the following effects:


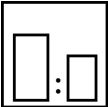


- very high reconditioning effect also on extremely weathered paint surfaces (micro scratches, fading, loss of gloss etc. are efficiently removed)
- excellent anti-graffiti protection
- durable protection against weathering and UV
- highly resistant to chemicals
- Self-levelling, highly hydrophobic surface
- Mipa PROTECT Easy Clean minimises the resoiling of components, industrial equipment and tools and offers long-lasting protection against environmental influences

Because of the high protective effect, Mipa PROTECT Easy Clean is perfectly suitable for applications on railway vehicles, buses, trams, commercial vehicles and generally smooth surfaces to ensure effective and gentle dirt and graffiti removal in the event of damage. Furthermore, faded and weathered paintworks can be reconditioned quickly and reasonably. Beside painted surfaces, also metal and plastic surfaces can be sealed with Mipa PROTECT Easy Clean.

Mipa PROTECT Easy Clean is ready to use and is applied by spraying or wiping.

Spreading rate: approx. 15 ml/m²

Processing instructions

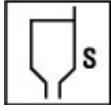
	Colour colourless		
	Mixing ratio		
	Hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
	--	--	--
	Hardener		
	for complete paintwork		for partial paintwork
	--		--
	Pot life no pot life if stored air-tight		

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.



Thinner

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Spray viscosity

ready to spray

gravity spray gun

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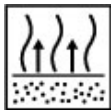
Airmix/Airless

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Application mode

Application mode	Hardener	pressure (bar)	nozzle (mm)	spray passes	Thinner
Flow cup (high pressure technology)	--	2 - 2,5	0,8 - 1,3	--	--
HVLP (low pressure technique)	--	2 - 2,2	0,8 - 1,3	--	--
HVLP / internal nozzle pressure	--	0,7	--	--	--



Flash-off time

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Dry coat thickness

5 - 10 µm



Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
20 °C	60 min	approx. 2 - 3 h	--	--	--

Note

Storage: at least 1 year in unopened original containers

VOC Regulation : EU limit value for this product (category B/e): 840 g/l
This product contains at most 543 g/l of VOC.

Processing conditions: from 5 °C up to 30 °C, and 30% up to 80 % relative air humidity. Ensure adequate ventilation.

Processing instructions:

Do not use on heated surfaces. Do not apply at direct sunlight. Please note that the product must be applied in a clean environment. Through drying depends on the prevailing humidity.

Pre-treatment:

Before applying Mipa PROTECT Easy Clean, the surfaces to be treated must be cleaned very thoroughly. The substrate must be clean, free from grease and absolutely dry. Please keep in mind that any residual moisture on the substrate will adversely affect the protective effect as Mipa PROTECT Easy Clean is moisture-curing and would react prematurely.

Before applying, make a test application on the original substrate to assess generally the recoatability and the appearance. However, Mipa PROTECT Easy Clean should be applied only by especially trained personnel.

Manual for a set consisting of:

- 1 x 50 ml PROTECT Easy Clean
- 1 x microfibre cloth
- 2 x application sponges

Shake well the bottle with Mipa PROTECT Easy Clean.

Put some drops of Mipa PROTECT Easy Clean on the sponge. We recommend pressing the application sponge on the opening of the bottle and turning it quickly over so that only a small quantity is sucked up by the sponge.

Apply fast a very thin layer of Mipa PROTECT Easy Clean and spread it evenly on the surface. To assure a very homogeneous result, it is necessary to apply this product without lab marks.

Imperfections must be corrected within 10 minutes. If this time is exceeded, reworking is no longer possible due to the anti-graffiti effect.

It is recommended to apply on average not more than 15 ml Mipa of PROTECT Easy Clean per m². Take only as much material out of the original container as you can apply immediately.

Because of the moisture curing, the surface to be treated as well as the microfibre cloth and the application sponge must be absolutely dry. Please note that already used microfibre cloth and the application sponge can not be reused.

Trying time at room temperature:

Mipa PROTECT Easy Clean is set to touch after approx. 2 - 3 hours and weather-resistant after approx. 8 - 12 hours. In case of forced drying (60 - 80 °C) this drying time is reduced to approx. 2-3 hours. The surface will achieve its complete resistance after 5 - 7 days. In this drying period, cleaning and washing of the sealed surface should be avoided.

Care instructions:

By sealing with Mipa PROTECT Easy Clean, paint surfaces are protected durably and efficiently from very different impacts and damages by graffiti. To ensure a long-lasting protection function, the subsequent paint care must always be carried out gently. Use a neutral cleaning agent.

Notes on how to remove graffiti:

Graffiti must be removed as soon as possible. Use a high-pressure cleaner for their removal and in case of tenacious graffiti that cannot be removed by pressure washer use Mipa Graffiti-Entferner.

Expected lifespan:

Depending on substrate nature, rate of wear of the old paintwork, colour, operational stresses, frequency and intensity of car care/ car wash, impacts of UV radiation and weather and so on, the lifespan ranges from one year to several years.