

# Plastic and painted surfaces



## Product:

- Range of application: PC, PMMA, ABS, painted surfaces, additionally stainless steel
- Product characteristics: hydrophobia, strong anti-stick properties, easy-to-clean effect with respect to dirt and limescale
- Examples of use: plastic surfaces (shower cubicles), car paint, aluminum rims, stainless steel surfaces (refrigerator, railings, etc.)

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- Other properties
  - Abrasion resistance
  - Invisible to the naked eye (layer thickness: 100 nm)
  - Permanent (UV stable)
  - Temperature resistant (450° C)
  - Breathable
  - Simple application (do-it-yourself)
  - Chemical-resistant (up to a pH value of 13)
  - Contact angle: 105-109 °
- Transport guidelines
  - Hazardous material (UN 1993 – highly flammable)
  - HDPE packaging

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- **Advantages compared to competitive products**
- **Permanence and longevity:**  
the UV stability enables a function duration for the lifetime of the coated surface – assuming it is not damaged by abrasion  
competitive products like silicon oils or fluorocarbon technologies are slowly destroyed by sunlight
- **Abrasion resistance**  
a permanent chemical bond with the substrate enables excellent abrasion resistance  
Competitive products can be easily removed by abrasion
- **Chemical stability**  
The product is cleanser- and solvent-resistant (up to a pH value of 13)  
Competitive products do not have this property and must be reapplied

# FAQ



- **Chapter 5: Plastics or painted surfaces**
- **See: Glass/ceramics**
- **Special questions:**
  - **5.1 After coating a plastic, you can't tell the difference between the uncoated substrate!**

**Additives that trigger a beading effect can be used in the production of plastics.**  
**In this case, they should be removed through plasma treatment.**  
**After a longer period of time, these additives break down on their own since they are usually not UV-stable.**

**Principle: It is better to coat an older plastic than a new plastic!**

# FAQ



- **Chapter 5: Plastics or painted surfaces**
- **See: Glass/ceramics**
- **Special questions:**
  - **5.2 Can I also coat car paint**  
**Yes! We recommend an application using a conventional polishing machine!**
  - **5.3 Can I also coat aluminum wheels**  
**Yes!**
  - **5.4 Can I also coat stainless steel surfaces**  
**Yes!**