

# Ceracoat® Armor

## Perfection in Protection

**Technical Data and Product Information**



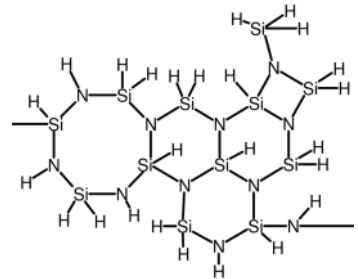
## Technology: Newest Generation Ceramic Coating

Until now, state of the art technology has been unable to combine high water and dirt repelling effects with a high durability against mechanical wear on synthetic or metallic surfaces. Inorganic groups provide Ceracoat® Armor with perfect adhesion to the substrate with a pencil hardness of 9H, while organic groups generate superior non-stick effects.

Hence Ceracoat® Armor combines properties that were previously mutually exclusive.

## Properties: unique – innovative

- **Ceramic/hybrid base substances**
- **Based on Silicon, Hydrogen and Nitrogen**
- **Pencil Hardness up to 9H (harder than car paint)**
- **Permanent easy-clean Effect**
- **Outstanding resistance to weather, abrasion and chemicals**
- **Food safe and chemically inert**
- **Transparent, virtually invisible. Colour deepening possible by application of several layers**





## Recommended Applications:

Substrate	Effect	
<b>Car Paint</b>	strong dirt- and water-repellency	✓
	noticable improvement of paint hardness	✓
	Lifetime/Longevity 3-4 years	✓
	Protection against bird droppings	✓
	Protection against micro-scratches caused by car washes	✓
	Protection against smaller stone chips	✓
	Protection against car paint colour loss	✓
<b>Marble/Natural Stone**</b>	Acid resistance	✓
	Dirt repellency	✓
	Stain guard	✓
	Food-safe (kitchen worktops)	✓
<b>Metal</b>	Graffiti-Protection	✓
	strong dirt- and water repellency	✓
	Corrosion-deceleration	✓
<b>Plastic</b>	Graffiti-Protection (Road Signs)	✓
	strong dirt-repellency (truck tarpaulin)	✓

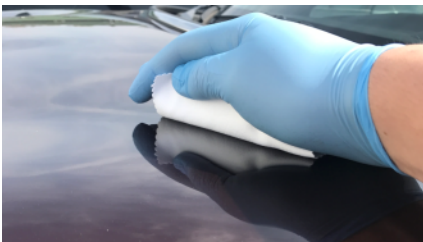
**\*\* Depending on the origin of the natural stone, Ceracoat® Armor needs to be modified. Please ask your support contact at Ceracoat Industries**



## Application:



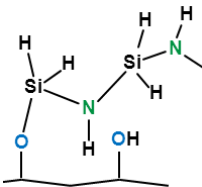
Clean the surface thoroughly with a residue-free cleaner. For car-paints, we recommend butyl acetate.



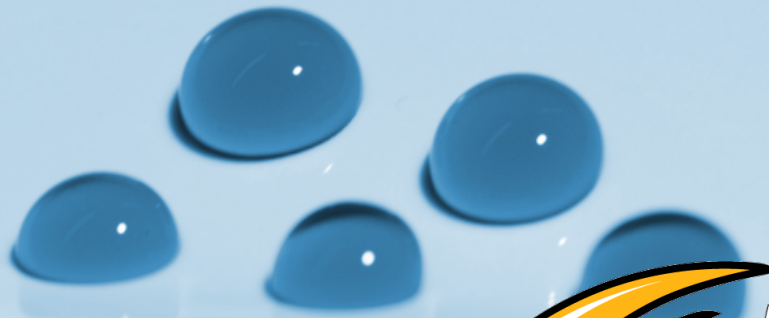
The application is best done gently and smoothly by circling motion to avoid any visible surplus. This step can, if required, be repeated up to 3 times at intervals of 5-10 minutes to increase the layer thickness.



Ceracoat® Armor is water-resistant after 24 hours and develops its complete resistance against mechanical abrasion and chemicals after 7 days. A reduction of the drying time is possible by e.g. using an infrared heater at 80°C surface temperature for a period of 30 minutes. Through this procedure, the drying time is reduced to only 3 hours.



**\*\* We recommend to test this product on solvent sensitive surfaces at an inconspicuous spot with regard to compatibility of materials**



## Technical Data:

Contact Angle 105°	✓
Pencil Hardness up to 9H	✓
Strong chemical bonding	✓
Simple Application	✓
Permanent Protection	✓
UV- and weather-resistant	✓
Food-safe	✓
Chemical-resistant	✓
Stain guard against acid	✓
Barrier properties	✓
Transparent	✓
High temperature-resistant (500-600°C)	✓
Corrosion deceleration	✓
Graffiti protection	✓
Free from Halogens	✓
Storage stability up to 2 years	✓

