

# OBSIDIAN GRAPHENE

## NEW GENERATION CERAMIC COATING



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**WE CREATE PRODUCTS**  
**INSPIRED BY NATURE**  
**THANKS TO OUR EXPERIENCE**  
**AND NEWEST TECHNOLOGIES**





THE **OBSIDIAN GRAPHENE** NANOCOMPOSITE CERAMIC COATING WAS CREATED BY SATURATING THE CERAMIC SUPERHYDROPHOBIC COATING WITH GRAPHENE NANOPARTICLES. GRAPHENE IS THE MATERIAL OF THE FUTURE, COMBINING EXCELLENT STRENGTH WITH FLEXIBILITY AND CHEMICAL RESISTANCE. THANKS TO THIS COMBINATION, WE OBTAINED UNUSUAL MECHANICAL PROPERTIES (HARDNESS 10H), PROTECTIVE (CHEMICAL RESISTANCE) AND A SELF-CLEANING EFFECT. DUE TO THE ADVANCED COMPOSITION, THE COATING PERFECTLY COMBINES ON THE MOLECULAR LEVEL WITH THE PROTECTED SURFACES AND WORKS WITH TEMPERATURE CHANGES. THE RESULT IS LONG-TERM PROTECTION OF THE CAR BODY AGAINST SCRATCHES, OXIDATION, CORROSION, ACID RAIN AND CHEMICALS, EVEN IN THE MOST DIFFICULT OPERATING CONDITIONS.

AFTER BEING APPLIED TO THE SURFACE, THE COATING UNDERGOES DEEP CROSS-LINKING AND CERAMIZATION (PROCES OF GENERATING CERAMIC NANOPARTICLES), THANKS TO WHICH WE OBTAIN A NANOCOMPOSITE COATING WITH A THICKNESS NOT EXCEEDING 5 MICROMETERS.



**STRONG SUPERHYDROPHOBIC PROPERTIES CREATING A "LOTUS EFFECT" THAT DOES NOT FADE DURING OPERATION**



**ADVANCED COMPOSITION ENSURING THE INTEGRATION OF THE COATING WITH THE SURFACE ON THE MOLECULAR LEVEL, WHICH ENSURES EXCELLENT DURABILITY**



**A WIDE RANGE OF APPLICATION INCLUDING ANY TYPE OF CAR PAINT, WINDOWS, CHROME AND PLASTIC ELEMENTS.**



**THE USE OF GRAPHENE - THE MATERIAL OF THE FUTURE FOR MAXIMUM EFFECT AND DURABILITY**

# COATING APPLICATION

1

THE COATING SHOULD BE APPLIED ONLY ON THE WASHED SURFACE. IF THERE IS A NECESSITY, CORRECTION OF THE PAINT SHOULD BE PERFORMED AND THEN WASH THE SURFACE AGAIN. IMMEDIATELY BEFORE INSTALLATION, RINSE AND DEGREASE THE SURFACE WITH ISOPROPYL ALCOHOL.



2

THE COAT SHOULD BE APPLIED BY THE APPLICATOR IN ROUND OR PARALLEL MOTIONS. ON A ONE-TIME APPLICATION OF COAT ON A SURFACE NOT EXCEEDING 30x30 CM. NEVER APPLY **OBSIDIAN GRAPHENE** ON HOT SURFACES OR IN FULL SUN! COATING CAN ALSO BE APPLIED TO WINDOWS AND MIRRORS. ALWAYS USE NITRILE OR LATEX GLOVES WHILE WORKING WITH THE COAT.

03



AFTER APPLICATION OF **OBSIDIAN GRAPHENE**, THE SURFACE MUST BE POLISHED WITH A MICROFIBER UNTIL THE STRAIN IS COMPLETELY REMOVED. DO NOT LEAVE THE PRODUCT TO PRE-DRY. DIFFICULT TO REMOVAL STAINS CAN BE REMOVED WITH SOLVENTS UP TO AN HOUR AFTER SOIL ARISATION. AFTER 2 HOURS AFTER APPLICATION OF THE LAYER, ANOTHER COAT CAN BE APPLIED. IT IS NOT RECOMMENDED TO USE MORE THAN 3 LAYERS.

3



**CERAMIZATION AND CROSS-LINKING ARE COMPLETE AFTER 12 HOURS. DURING THIS TIME, THE COAT SHOULD NOT COME IN CONTACT WITH THE WATER.**



THE DURABILITY OF THE COAT IS A MINIMUM OF 6 YEARS WITH 2 LAYERS. MAINTAINS SUPERHYDORPHOBIC PROPERTIES FOR THIS TIME



THE THICKNESS OF THE COATING DOES NOT EXCEED 5 MICROMETERS, HOW IT IS COMPLETELY INVISIBLE



THE COATING IS RESISTANT TO ROAD SALT, UV RADIATION, ACID RAIN, CHEMICAL AND PHYSICAL FACTORS, AND TEMPERATURE CHANGES



IN THE PENCIL SCALE HARDNES OF COATING EXCEEDS 10H. THE COATING STAYS FLEXIBLE AND EXPANDS WITH THE SUBSTRATE





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