

PRODUCT DATA SHEET

Prepared on: 20.07.2023



Updated on: 24.07.2023

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Product name: Graphene coating, APP for AD Graphene Coat. APP No.: 223005.

Advanced ceramic and graphene coating enriched with carbon nanotubes. It makes it possible to obtain extremely resistant coating protecting painted surfaces. Thanks to nanotubes, it creates a coating resistant to abrasion and aggressive chemical substances. It ensures hydrophobic properties, creating a barrier against dirt and emphasizing colour depth. The product has UV protection properties. Periodical preservation (cleaning and decontamination) of the coating is recommended together with the preservation with APP for AD Graphene Booster. The obtained coating lasts up to 3 years for one layer, up to 5 years for 2 layers.

Packaging: 50 ml

Product and additions: APP for AD Graphene Coat forming the coating and APP for AD Graphene Booster preserving the coating.

Basic components: Mixture of chemical components with C10-C13 isomers.

Colour: Black

Application: The product intended for maintenance and preservation of external painted surfaces.

Properties: It creates a transparent, smooth and slippery protective layer that lasts up to 36 months when a single layer is applied (1-2 μ m thick), or up to 60 months when two layers are applied (3-4 μ m thick). Its life depends on exploitation conditions and requires preservation max. every 12 months.

Advantages: It enhances paint resistance to scratch, enhances colour depth. It forms a layer with strong hydrophobic properties, prevents the adhesion of dirt particles, thus facilitating surface washing and cleaning. It forms a coating resistant to cracks – high flexibility of the coating formed summarizes thermal expansion of the paint.

The information presented above is in accordance with the current state of knowledge about our products and the possibilities of their application. This does not guarantee specific properties or the suitability for use in particular conditions. It is necessary to follow the remarks and warnings included on product labels and product data sheet. We shall not bear any responsibility if the final result is influenced by factors remaining beyond our control.

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Substrate

Appropriate substrates. May be applied on painted surfaces.

Substrate preparation. Do not apply on hot surfaces. The surface should be clean, dry and degreased. Prior chemical and mechanical decontamination is recommended to obtain better quality and durability of the coating formed. The surface should be degreased and sterilized with APP for AD IPA at the concentration of 50-100%. In order to obtain higher adhesive strength of graphene coating to the painted surface, elements onto which the coating is to be applied can be heated in a spray booth or with an infrared heater. It will release chemical compound from paint pores and make them evaporate.

Application

Mixing proportions. The product is ready to use.

Application. Apply the preparation at the temperature of 16 – 23 °C. Apply on the surface of ca. 0.5 m² (±50 cm x ±50 cm) at a time. Apply ca. 3-5 drops of the product on a dedicated applicator or microfiber cloth with very short bristle. Spread evenly with a cross motion on the planned area. Polish with a clean and dry microfiber cloth after 1-2 minutes. Do not allow the preparation to dry and smudges to form. Continue until transparent and smooth surface is obtained. Work systematically and carefully. Do not allow the formation of gaps and spaces between subsequent areas of application.

Hardening After ca. 60 minutes from application, the coating is dry enough for the second layer to be applied. The coating acquires its initial properties after 12 hours from application for one layer, and after 24 hours for two layers. During hardening, the product should not come into contact with water, dust and dirt. Do not use chemical cleaning agents for 7 days after application. Full activity and properties are acquired within 5 to 7 days after application.

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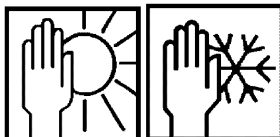


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Storage



Store in sealed original packaging in a dry and well-ventilated place at the temperature from +5°C do +30°C. Protect against direct sunlight.

OHS regulations



See: text on product labels or hazardous product data sheet.
The user is obliged to follow OHS regulations in force in a given country.

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