

system



ONYX
HARD SURFACES
HYDROPHOBISATION



Durable and resistant hard surfaces hydrophobisation



SELF-CLEANING PROPERTIES

Glass, plastics, ceramics and other hard surfaces are exposed to water impact. Windows, and glass products decrease transparency under wet conditions and are treated to freezing and frosting. Protective coatings keep good transparency, attractive appearance and provide self-cleaning properties.

Self-cleaning surfaces are desirable in various products. ITP-System's coatings increase durability of surface, reduce formation of impurities, and limit frosting. Our coatings can also consolidate surface and protect them from rusting and scratches caused by dirt, sand, cleaning process, chemicals and defrosting.

Conventional coatings, like polymeric prevent water ingress but simultaneously seal off the pores blocking water within. This results in inner decay of the substrate. At the same time they are not resistant to UV radiation or scratches what allows water to penetrate again. ITP-System products prevent moisture to enter the substrate but sustain vapor permeable properties of it.

ITP-System's coating is completely resistant to UV radiation, scratches and high amplitude of temperatures. Nanoparticles of our coatings are smaller than the pores of the substrate. Due to this and the low viscosity, they penetrate deep into the material and chemically bond to the inner pore walls, rendering the substrate hydrophobic. External water is kept from entering the pores, while water vapor generated from within the structure can still escape. The structure remains breathable.



ACTIVITY

ONYX coating is excellent solution for various solid surfaces like:

- glass;
- ceramics;
- tiles;
- polished stone;
- painted and unpainted metal;
- car paint;
- plastics;
- plexiglas;
- furniture;
- lacquered wood.

Application of ONYX is fast and simple and doesn't require additional equipment except microfibre cloth:

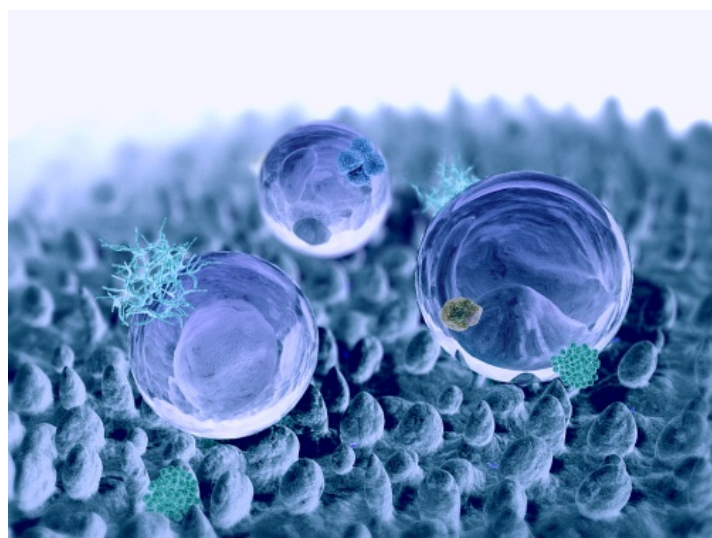
1. Clean surface and wash with plenty of water to remove all residues;
2. Spray product over surface or on cloth and spread over whole surface;
3. After few seconds polish surface with microfibre cloth;
4. After 15 minutes coating is ready for use.

Before coating application make compatibility test on small surface. Do not make application in hot surfaces.

ADVENTAGES

ONYX coating provide new properties over solid surfaces:

- water repellency;
- self cleaning properties;
- resistancy against cleaning chemicals;
- resistancy against acid rains;
- resistancy against abrasives;
- full vapour permeability;
- reducing formation of smudges;
- limited microbial colonies formation;
- easy-to-clean properties.



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