



Product Information:

Vetro Power Nano-Dynamis

Anti-Corrosion Protection

Vetro Power Nano-Dynamis Anti-Corrosion Protection
Transparent Anti-Graffiti-, Easy-to-Clean- and Anti-Corrosion Coating

The consumption depends on the application method and varies between 100-200 ml/m².

Fields of application:

Non-Absorbent Surfaces.



PROPERTIES / PRODUCT DESCRIPTION

- Permanent clear coating
- Excellent protection against graffiti
- Exceptional corrosion protection
- Easy-to-Clean
- Excellent adhesion to most substrates
- High UV & chemical resistance
- Easy to apply
- Cures at room temperature
- Fluorine-free
- Heat resistant over 400°C

Vetro Power NANO-DYNAMIS is a clear, ready-to-use coating that protects non absorbent surfaces against graffiti, dirt, weathering and corrosion. Based on a polysilazane technology, Vetro Power NANO-DYNAMIS forms a permanent barrier layer that bonds chemically with the substrate and cures at room temperature with atmospheric humidity. The surface protected with Vetro Power NANO-DYNAMIS can be cleaned repeatedly without reapplying the product, eliminating the need for costly repainting, repairs and labour-intensive cleaning.

PROPERTIES / PRODUCT DESCRIPTION

Vetro Power NANO-DYNAMIS is particularly suitable for smooth, non-absorbent surfaces, such as one- or two-component paints (polyurethane or epoxy systems), polyester paints, GRP surfaces, but furthermore particularly for metal surfaces like aluminium, zinc, stainless steel, copper and several alloys (e.g. brass & bronze).

Typical applications for Vetro Power NANO-DYNAMIS are surfaces like-

- Aluminium rims
- Tank equipment & industrial plants (inside and outside)
- Traffic signs
- Ventilating systems
- Marble and granite (polished)

PRODUCT APPLICATION / TOOLS

Vetro Power NANO-DYNAMIS is supplied ready-to-use. Depending on the substrate Vetro Power NANO-DYNAMIS can be applied with our microfiber cloth or paint rollers (microfiber flocking). The product is also suitable for application via spray mechanism.

APPLICATION MANUAL

Spray Application:

Process:	HVLP-compressed air
Spray gun:	e.g. SATA minijet HVLP
Working pressure:	ca. 2-3 bar
Nozzles:	0.8-1.3 mm

The spray gun can be cleaned with n-butyl acetate, for example.

TECHNICAL DATA

Article Number:	5860
Appearance:	colourless to pale yellow liquid
Density:	ca. 9.92 g/cm ³
Binder base:	organic polysilazane
Solvent base:	n-butyl acetate
Flash point:	< 21 °C
Shelf life:	12 months from delivery date, at 20 °C
Container size:	6 litre alu bottle containing 5 litres

Warning Advice: We recommend wearing suitable protective clothing. In case of contact with skin, immediately rinse o with water. Do not swallow. Avoid contact with eyes. In case of contact with the eye or mucosa, immediately rinse o with water. In the event of symptoms occurring, seek medical treatment. Keep out of reach of children!

General Advice: Do not inhale atomised spray and the liquid product. Zyx Chem Pvt. Ltd. is not liable for damages to the product, as a result of dirt entering the bottles and canisters, e.g. after opening the containers. Zyx Chem Pvt. Ltd. is also not liable for improper application of the product if the surfaces have been recoated for any reasons, without Zyx Chem Pvt. Ltd.'s prior written agreement, nor for any damage to or deterioration of the coating system arising from causes beyond the control of Zyx Chem Pvt. Ltd., including but not limited to impact, abrasion, mechanical damage, neglect, malicious damage, fire damage, pollution and abnormal weather conditions, neither for failure associated with exposure of the coatings to abrasive, chemical substances, abrasive scouring, hydrofluoric acid and highly alkaline chemicals such as bleach, potassium hydroxide and sodium hydroxide and/or if the coated surfaces have not been maintained in accordance with the supplier's recommended maintenance procedures. All information is based on today's state-of-the-art technology. As to the above-mentioned information, we do not lay a claim to completeness, these are only to be understood as possible examples for application areas. Due to a large number of surfaces and object conditions, the buyer/user is not relieved of the duty to professionally verify, in his own responsibility, that our materials are suitable for the intended purpose according to the respective object conditions. In all other respects, our general conditions of sale apply. If the new product information is issued the validity of the old version expires.

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APPLICATION INSTRUCTIONS

The product should be applied by trained personnel only. Test on a small area first or apply a test coat before application.

CONDITION OF SUBSTRATE

The substrate to be coated must be clean, grease-free and absolutely dry. Areas which are difficult to reach, such as cavities or drainage channels etc. must be dried additionally with absorbent cloths or blown dry with compressed air. On contact with a damp substrate surface, Vetro Power NANO-DYNAMIS reacts prematurely and cannot form a permanent seal. The substrate temperature must be between + 5 °C and + 30 °C, the relative humidity at 30 %-80 %.

APPLICATION

Vetro Power NANO-DYNAMIS must be applied at an ambient temperature of at least + 5 °C and a relative humidity of 30 %-80 %. Avoid direct sunlight. Apply the coating in dry conditions and never in rain. The coating is applied with an applicator. Any mistakes can be rectified within approximately 10 minutes of application. After this the repellent effect of Vetro Power NANO-DYNAMIS makes it impossible to apply another coat. The average coverage is ca. 15 ml/m² and this should not be significantly exceeded. During application, only small quantities should be decanted from the original container into the application container. Residues of unused Vetro Power NANO-DYNAMIS should not be returned from the application container to the original container. Traces of water in the applicator should also be avoided. Applicators dampened with water should not be used. If dirt appears on the applicators during coating, they should be replaced with clean applicators to avoid dirt entering the Vetro Power NANO-DYNAMIS coating. The applicators cannot be reused once the coating has been applied. If the solution in the application containers solidifies or a deposit forms, it can no longer be used. Solutions that are no longer useable must be disposed of properly. Vetro Power NANO-DYNAMIS is dry-to-touch after about one hour.

For larger areas / plain metal surfaces / corrosion protection we strongly recommend application under clean room conditions!

The recommended curing conditions (until water resistant) are:

- | | |
|---------------------|------------|
| • Room temperature: | 8-12 hours |
| • 80 °C: | 2 hours |
| • 130 °C - 180 °C: | 1 hour |

The Vetro Power NANO-DYNAMIS coating is fully effective after 5-7 days' curing at room temperature.

On metal surfaces such as aluminium, steel and stainless steel, curing at > 80 °C is recommended to achieve optimum adhesion to the substrate.

SAFETY INSTRUCTIONS

The instructions to the accompanying Safety Data Sheet must always be followed

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