VETRO POWER

Technical Data Sheet (TDS)

Vetro Power Nano-Dynamis Anti-Graffiti Coating

Transparent Anti-Graffiti and Easy-to-Clean Coating

PROPERTIES/PRODUCT DESCRIPTION

- Transparent Anti-Graffiti and Easy-to-Clean CoatingPermanent clear coating
- Excellent protection against graffiti
- Easy-to-clean
- Excellent adhesion to most substrates
- Outstanding weather, UV, and chemical resistance
- Economical and easy to apply
- Cures at room temperature
- Fluorine-free

PRODUCT DESCRIPTION

Vetro Power Nano-Dynamis Anti-Graffiti Coating is a clear, ready-to-use coating solution that protects smooth, non-absorbent surfaces against graffiti and dirt. Based on a patented polysilazane technology, it 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 Anti-Graffiti Coating** can be cleaned repeatedly without reapplying the product.

USE

Vetro Power Nano-Dynamis Anti-Graffiti Coating is particularly suitable for smooth, non-absorbent surfaces, such as one- or two-component paints (polyurethane or epoxy systems), polyester paints, GRP surfaces, aluminium surfaces.

PRODUCT APPLICATION/TOOLS

Vetro Power Nano-Dynamis Anti-Graffiti Coating is supplied ready-to-use. Depending on the substrate **Vetro Power Nano-Dynamis Anti-Graffiti Coating** can be applied with microfiber applicators or paint rollers (microfber-flocking).

The product is also suitable for spray application.

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.

APPLICATION INSTRUCTIONS

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

Warning Advice: We recommend wearing suitable protective clothing. In case of contact with skin, immediately rinse off with water. Do not swallow. Avoid contact with eyes. In case of contact with the eye or mucosa, immediately rinse off 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.

Zyax 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. Zyax Chem PVT LTD is also not liable for improper application of the product if the surfaces have been recoated for any reasons, without Zyax 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 Zyax 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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Article Number	5860
Appearance	colorless to pale yellow liquid
Density	0.93 g/cm³
Solid content	20 – 60 %
Binder base	organic polysilane
Solvent base	n-butyl acetate
Flash point	< 21 °C
Shelf life	12 months from delivery date at, 20 °C
Container size	1 liter aluminium bottle

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 Anti-Graffiti Coating 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 NOTES:

Vetro Power Nano-Dynamis Anti-Graffiti Coating 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 approx. 10 min of application. After this, the repellent effect of Vetro Power Nano-Dynamis **Anti-Graffiti Coating makes it impossible to** apply another coat. The average coverage is ca 5-15 ml/m²and 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 **Anti-Graffiti Coating 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

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General advice: Do not inhale atomised spray and the liquid product.

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applicators during coating, they should be replaced with clean applicators to avoid dirt entering the Vetro Power NANO DYNAMIS ANTI GRAFFITI is dry-to-touch after about one hour.

APPLICATION NOTES: The recommended curing conditions (until water resistant) are:

- Room temperature: 8 – 12 hours
- 80 °C: two hours
- 130 °C – 180 °C: one hour

The **Vetro Power Nano-Dynamis Anti-Graffiti Coating** coating is fully effective after 5 – 7 days' curing at room temperature. During this time, the train or tram should not be driven into a vehicle wash. On metal surfaces such as aluminum, steel and stainless steel, curing at >80 °C is recommended to achieve optimum adhesion to the substrate.

CLEANING AND GRAFFITI REMOVAL

Surfaces coated with **Vetro Power Nano-Dynamis Anti-Graffiti Coating** should be cleaned with cleaners in the pH range 3–12. Strong (mineral) acids or alkalis should be avoided and are also unnecessary as neutral cleaners are generally sufficient to clean vehicles coated with it.

SAFETY INSTRUCTIONS

The instructions on the accompanying Safety Data Sheet must always be followed.

TECHNICAL SERVICE

Our Application Department is available to answer technical questions on performance, use and chemical specifications.

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