VETRO POWER

Technical Data Sheet (TDS)

Vetro Power METALGUARD 250

Heat-Resistant Non-Stick Coating

Vetro Power METALGUARD 250 is a ready-to-use heat-resistant non-stick coating for metallic surfaces, performing reliably up to 250 °C.

APPLICATION AREA:

Heat-exposed machine components, Mechanical engineering applications, Food processing and production equipment, Industrial components requiring durable non-stick properties.

MATERIALS:

Pre-treated metallic surfaces, Sandblasted steel, Stainless steel, Other properly prepared metal substrates.

PHYSICAL CHARACTERISTICS:

Property	Value
Composition	Solvent-based
Colour/Appearance	Whitish-cloudy, liquid
Density	0.97 g/cm³ ± 0.02
Dry film thickness	10-15 µm (spraying), 2-10 µm (dipping)
Curing	215°C for 60 minutes or 250°C for 15 minutes
Scratch resistance	Increased from 4-5 Mohs to up to 9H (internally tested)

FEATURES:

- Heat resistance up to 250 °C
- Excellent non-stick properties
- Prevents organic and process-related build-up
- Resistant to thermal and mechanical stress
- Suitable for demanding industrial environments

APPLICATION METHOD:

Spraying (recommended): Ensures uniform coating and controlled film thickness.
Dipping: Suitable for smaller or simple metal components.
Flooding: Applicable for specific industrial processes.
Thinning: If required, the product can be thinned with up to five parts of butyl acetate.
Surfaces must be clean, dry, and free from grease, oil, dust, and residues.

For all applications, we recommend testing on an inconspicuous area prior to full-scale use.

CONSUMPTION:

The consumption depends on the absorbency of the surface. Generally 10-12 m²/L (undiluted); up to 60 m²/L (diluted 1:5)

NOTE:

This product is classified as hazardous material. Refer to the Safety Data Sheet (SDS) before use. Proper curing is essential to achieve optimal non-stick performance and scratch resistance. (general footer)

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.

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

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