



Product Information:

Vetro Power METALGUARD 250

Vetro Power METALGUARD 250 is a heat-resistant non-stick coating.

For demanding applications on metallic surfaces – reliable performance up to 250 °C.

Fields of application:

Heat-exposed machine components, production equipment in the food industry, technical parts requiring non-stick properties.

Why choose Vetro Power METALGUARD 250:

Excellent non-stick properties

Effectively prevents organic build-up – ideal for thermally demanding processes.

High-temperature resistance up to 250 °C

Delivers long-lasting performance under intense heat exposure.

Versatile use

Perfect for mechanical engineering, food processing, and other industrial applications.

Technical highlights:

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)

Application recommendations:

- **Suitable substrates:** Pre-treated metallic surfaces (e.g. sandblasted)
- **Application methods:** Spraying (recommended), dipping, flooding
- **Thinning:** If required, Vetro Power METALGUARD 250 can be thinned with up to five parts of butyl acetate.
- **Typical areas of use:**
 - Heat-exposed machine components
 - Production equipment in the food industry
 - Technical parts requiring non-stick properties

Storage & packaging:

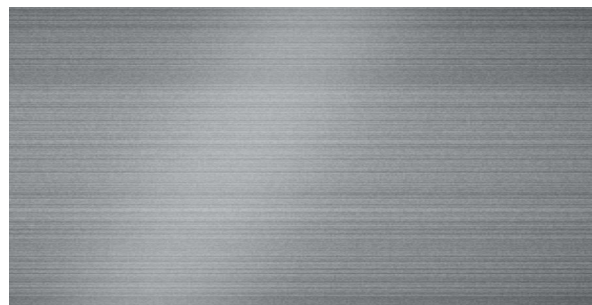
- **Storage:** Keep frost-free, protected from light, in original packaging
- **Shelf life:** 12 months
- **Packaging units:** Standard 200 kg drum; special sizes available on request
- **Note:** Hazardous material – please refer to the safety data sheet

Test results & performance:

Significant increase in surface hardness after application of Vetro Power METALGUARD 250: In internal tests on stainless steel substrates, a clear improvement in scratch resistance was observed:

- **Before coating:** 4–5 Mohs
- **After coating:** Up to 9H (according to pencil hardness test)

This confirms the protective performance of the coating under realistic conditions.



Important Notice:

Due to the raw material used, different visual colour changes can happen. This can appear occasionally batch-related and does not constitute a reason for complaint of the respective product.

Changes in colour in comparison to the original colour scheme can be caused by different surface structures, gloss levels, applications and influences of light. The absorbency of the surface, drying behaviour and weather influences during the application can also lead to slight colour changes on the surface. This does not constitute a reason for complaint.

Attention:

Only cleaning agents that are suitable for the surface are to be used.

Containers:

Standard 200 kg drum; special sizes available on request.

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. 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.



Heat resistant
up to 250 °C



Non-stick
surface



9H scratch
resistance



Food industry
equipment



Spray, dip
or flood

VETRO POWER INDIA

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