

Vetro Power Textile Protect for Carpets and Rugs

Vetro Power Textile Protect is a PFOA-free and PFAS-free stain-repellent nano coating for carpets and rugs.

Superhydrophobic and oleophobic: water, oil and dirt bead on the pile instead of soaking in, and the rug looks and feels exactly as it did.

Fields of application:

Hand-knotted, hand-tufted and flatweave rugs; broadloom and carpet tiles; hotels, offices, retail and homes. Applied at the factory, on site, or after professional cleaning.



Why choose Vetro Power Textile Protect for rugs:

Stain repellent without PFAS

PFOA-free and PFAS-free, verified to UNI CEN/TS 15968. No restriction risk for export, no disclosure issue for hotel groups.

Superhydrophobic and oleophobic

Water beads at a contact angle above 150 degrees; oils are repelled rather than absorbed (AATCC 118).

Look, feel and breathability unchanged

The coating sits on the fibre, a few nanometres thick. Colour, sheen and softness stay as made.

Proven on hand-knotted rugs

Used by rug makers including Jaipur Rugs and nanimarquina.

Technical highlights:

Property	Value
Composition	Water-based, PFOA-free and PFAS-free
Appearance	Colourless to light yellow liquid
Density	approx. 1 g/cm ³
pH (undiluted)	4.5 to 5.5
Flash point	above 90 °C
Consumption	20 to 50 ml/m ² depending on absorbency
Shelf life	24 months

Application:

- **Factory:** padding (foulard) machine or industrial spray on the finishing line
- **On site:** manual spray, at least two wet-on-wet passes from about 15 cm, no ponding
- **Surface:** clean, dry, free of dust, grease and cleaning residue; test on an offcut first
- **Reapply:** after deep cleaning, or every 12 to 24 months in heavy traffic

Fibres and constructions:

Wool, cotton, silk, jute, sisal, viscose, polyester, nylon, polypropylene and blends. Hand-knotted, hand-tufted, flatweave, broadloom, carpet tiles; cotton or latex backing.

Tested, not just claimed:

- **AATCC 22 and 193:** water sprayed and dropped on the fabric beads off
- **AATCC 118:** oil repellency, the test that separates a stain repellent from a water-only one
- **DIN EN ISO 12947-2:** still repellent after 5,000 rub cycles
- **DIN EN ISO 4892-1:** 550 hours of xenon-lamp weathering, about five years of sunlight
- **Compliance:** REACH, ZDHC MRSL V2.0, Oeko-Tex Standard 100

Offer stain protection as a service:

- **We supply:** product, application training, data sheets and marketing material
- **You apply:** at the factory, or as a retrofit on rugs customers already own
- **You sell it:** as an add-on at purchase or a booked service, under your brand

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:

1 L, 5 L, 25 L, 200 L and 1,000 L. Available as concentrate and ready-to-use.

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.



Super-hydrophobic



Oleophobic
repels oil and
grease



PFOA-free
PFAS-free



5,000 rub cycles
5 years of sun



Factory, on site
or after cleaning

VETRO POWER INDIA

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