

VETRO POWER MOBILE PROTECT

Anti-Fingerprint Nano Coating for Mobile Devices

Vetro Power Mobile Protect is a ready-to-use surface protection system developed for application on the surfaces of mobile devices. It forms an invisible, easy-to-clean layer that repels water and fingerprints without changing the look or feel of the device.

APPLICATION AREA:

Smartphone and tablet displays, device casings, touchscreens and glass surfaces of mobile devices. For assembled devices and for individual parts during production.

MATERIALS:

Glass displays, touchscreens and other smooth, non-absorbent surfaces of mobile devices.

PHYSICAL CHARACTERISTICS:

Property	Value
Form	Liquid, ready-to-use
Density	0.8 g/cm ³
Viscosity	approx. 1.2 mPas
Flash point	< 15 °C
Boiling point	approx. 80 °C
Shelf life	At least 2 years unopened; use within 6 months of opening

PERFORMANCE DATA:

Smartphone display	Untreated	Protected
Contact angle, water	89.0° (±5.05°)	107.7° (±2.30°)
Contact angle, diiodomethane	78.0° (±1.79°)	90.8° (±3.24°)
Free surface energy	24.2 ±3.1 mN/m	13.9 ±2.0 mN/m

Measured with a mobile surface analyser. The protective layer is not visible and is evaluated by its performance: the lower surface energy of the protected display is why liquids bead up and fingerprints wipe off easily.

FEATURES:

- Anti-fingerprint and easy-to-clean
- Hydrophobic: water contact angle 89° to 108° on a treated display
- Anti-microbial (passive effect as standard; active variant on request)
- No change in look and feel
- UV-stable
- Applied by wiping, no curing equipment required

APPLICATION METHOD:

Wiping (recommended): Apply with a lint-free cloth on assembled devices, so that no excess liquid reaches the electronic parts.

Wet wipe: The product can be filled into sachets with a cloth, generally 1 to 5 ml per sachet depending on cloth size.

Spraying: Production process only, on individual parts before assembly.

Surfaces must be free of dust, grease and residues of cleaning agents.

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

CONSUMPTION:

2 to 5 ml/m² by wiping.

ANTIMICROBIAL EFFECT:

The standard product has a passive antimicrobial effect: the repellent surface leaves no breeding ground or nourishment for bacteria. An active antimicrobial variant integrates the agent firmly into the coating; it does not migrate, is not released and its effect does not fade. Tested according to DIN EN ISO 20743:2013 and EN 14476:2013+A2:2019.

CLEANING AND CARE:

Fingerprints can be removed with a soft, dry cotton cloth. Further contamination with a damp cloth; stronger contamination with water and a mild cleaner of pH 5 to 7. Durability depends on the kind and frequency of cleaning and care. Follow the care instructions of the device producer.

NOTE:

Flammable liquid (flash point below 15 °C). Keep away from heat, sparks and open flames and use in a ventilated area. Do not spray on assembled devices.

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.

**VETRO POWER INDIA
ZYAX CHEM PVT. LTD.,**

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.
+91-887-900-9911 | customercare@vetropower.com | www.vetropoweramc.com