



Shoes and Sneakers

Nano Coating for Shoes and Sneakers: Private Label and Factory Supply for the Footwear Industry

Vetro Power supplies the footwear industry with one coating: [Vetro Power Textile Protect](#), a water-based silicon dioxide (SiO_2) nano coating that is PFOA-free and PFAS-free. Sprayed onto a finished upper, it makes leather, suede, nubuck, sheepskin, imitation leather, canvas, cotton, nylon, mesh and knit repel water, oil and dirt without changing the look, feel or breathability of the material. It is the same coating sold at retail as the Vetro Power Footwear Protector and Suede & Nubuck Protector trigger sprays, and it is available to shoe brands, factories and retailers in three ways.

Three ways to work with Vetro Power

1. Private label

Your brand on our formulation, filled in trigger sprays or supplied in bulk, with the data sheets issued in your name. For shoe-care brands, retailers with an own label, and distributors. What you get and how an order runs.

2. Factory finish

Applied on your own line to the finished shoe. HVLP spray gun at 2 to 3 bar, two to three wet-on-wet coats, 20 to 50 ml per square metre depending on the material. Hand-dry in minutes at room temperature, full cure in 24 hours, so boxing is not held up. Supplied in bulk with application guidance for your operators.

3. Retail and service

Shoe retailers, sneaker cleaners, hotels and clubs stock the trigger spray or apply the coating as a paid protection service at the point of sale. Odourless, colourless and dry to the touch in minutes, so it can be applied on the shop floor before the customer leaves.

Every option is backed by the same published test results, listed in plain words further down this page. [Contact us](#) with your material, volume and market and we will come back with a recommendation.

Private label shoe protector spray: what you get

Most shoe protector sprays on the market are bottled for a brand by a contract filler that does not publish test data. With Vetro Power a private label partner gets the formulation, the test reports and the filled packaging from one supplier.



Trigger spray under your brand

100 ml and 250 ml trigger sprays, the same bottles Vetro Power sells at retail. No aerosol cans.



Bulk for your own filling line

1 L, 5 L, 25 L, 200 L and 1,000 L, ready-to-use or as a concentrate, for brands that bottle themselves or coat in the factory.



Documents in your name

Brochure, technical data sheet and safety data sheet issued under your brand, plus the test reports behind them.



One formula, several products

The same coating sells as a footwear protector, a suede and nubuck protector, or a fabric protector: the name and artwork are yours to decide.

Packaging options: what you can order



100 ml spray

Retail size for shoe shops and online. Pump mist head, non-aerosol. Shown with Vetro Power artwork; the same bottle takes your label.



250 ml trigger spray

For sneaker cleaners, service counters and heavier users. Trigger head, non-aerosol. Also filled under your brand.



Your brand

Bottle, can and box carry your name and artwork. We handle formulation, filling and the documents; you handle the market.



Bulk for factories

1 L, 5 L, 25 L, 200 L and 1,000 L, ready-to-use or concentrate, for spray lines and brands that bottle themselves.

Footwear is one arm of the Vetro Power OEM programme. The full private label offer, kits and bulk options across all our coatings are on the [Create Your Own Nano Coatings Brand](#) page, with the [OEM brochure \(PDF\)](#).

How a private label order runs



STEP 1

Enquiry

Tell us your market, the materials you sell most and the volume you have in mind.



STEP 2

Samples

Test the coating on your own uppers before any commitment.



STEP 3

Artwork and documents

Send your label artwork; we prepare the data sheets in your name.



STEP 4

Production

Filled trigger sprays or bulk packs, shipped from Mumbai.



STEP 5

Repeat orders

Re-order against the same pack and artwork specification.

Minimum order quantities and lead times depend on pack size and are confirmed at the enquiry stage. [Start an enquiry](#).

Footwear materials Vetro Power Textile Protect is designed for

The coating is made for natural and synthetic textiles, suede, nubuck, sheepskin, leather and imitation leather, and for finished mesh shoes. On every one of these the water-based SiO₂ formula bonds to the fibre or grain and dries invisible.

 Leather Smooth and full-grain uppers	 Suede No darkening, nap stays soft	 Nubuck Protects the sanded surface	 Sheepskin Boots and linings	 Imitation leather PU and coated uppers
 Canvas Cotton sneakers and plimsolls	 Cotton Woven and knitted uppers	 Nylon Sports and outdoor shoes	 Mesh Running shoes, stays breathable	 Knit Sock-style uppers

What changes on the shoe, and what does not

 Repels water Superhydrophobic: rain and spills bead off	 Repels oil Oleophobic: oil and grease do not soak in	 Repels dirt Easy-to-clean: dust wipes off with a damp cloth	 Look unchanged Invisible and colourless when dry
 Feel unchanged No stiffening, no film on the surface	 Breathability kept Air and moisture still pass through	 Colour fastness improved Dyes are better protected from rubbing	 Odourless No smell once the water carrier has dried

Wear and washing slowly reduce the effect; the coating can be re-applied at any time to restore it. Test on a hidden area first on any new material.

Applying it, and what it does

How Vetro Power Textile Protect goes on a shoe

Water-based, no flammable solvent. The same four steps in a factory, a shop or at home.

1 Clean and dry

Brush off dust. The upper must be dry, free of grease and of cleaner residue. Try a hidden spot first.



2 Spray evenly

Trigger spray from a short distance until evenly wet. Two to three coats, wet on wet. Factories use an HVLP gun.



3 Hand-dry in minutes

The water carrier evaporates at room temperature. Gentle warmth speeds it up. The shoe can be handled and boxed.



4 Full performance in 24 h

Water and oil repellency reach their tested level after 24 hours of curing. Re-apply when wear reduces the effect.



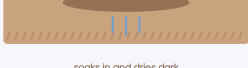
Coverage 20 to 50 ml per square metre depending on how absorbent the material is. Ventilate while spraying; avoid contact with eyes and skin.

What happens to a drop of water

Same suede, same drop. Left untreated, right coated with Vetro Power Textile Protect.

Untreated

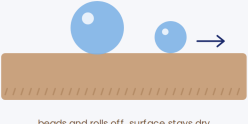
Water wets the nap and soaks in. The patch dries darker and stiff, and dirt in the water stays behind.



soaks in and dries dark

Coated

The drop stays a bead and rolls off. Nothing soaks in, so there is no tide mark and no stiffening.



beads and rolls off, surface stays dry

Water repellency verified by spray test (AATCC 22, DIN EN 24920) and droplet test (AATCC 193). The coating dries invisible: the coated side looks the same as the untreated side.

Tested performance, in plain words

Buyers at shoe brands ask for test reports, not adjectives. These are the tests Vetro Power Textile Protect has passed, with what each one means on a shoe. Test reports are available on request with private label and factory supply enquiries.

	Water repellency Spray test AATCC 22 and DIN EN 24920; droplet test AATCC 193	Water sprayed on the coated upper runs off instead of soaking in. This is the test the leading shoe-care brands quote.
	Oil repellency AATCC 118	Cooking oil, grease and skin oils do not wet the surface, so they can be wiped off before they stain.
	Abrasion resistance DIN EN ISO 12947-2, 5,000 Martindale cycles	The coated textile was rubbed 5,000 times and still repelled water. Martindale is the same rub test used to grade shoe and upholstery fabrics.
	Weathering DIN EN ISO 4892-1, 550 hours xenon arc	550 hours under a xenon lamp is roughly five years of sunlight. The repellency was still there afterwards, so the finish does not break down in daylight.
	PFC-free UNI CEN/TS 15968:2010	Analysed and found free of perfluorinated compounds: the coating is PFOA-free and PFAS-free, which matters for the EU, US state and brand bans now in force.
	Oeko-Tex Standard 100 Conformity	Conforms to the Oeko-Tex Standard 100 limits for harmful substances in textiles, the label most shoe and apparel brands ask their suppliers for.
	ZDHC MRSL v2.0 Conformity	None of the substances on the Zero Discharge of Hazardous Chemicals restricted list. This is the list most footwear brands require from their chemical suppliers.
	REACH Conformity	Conforms to the EU REACH regulation on chemical substances, the baseline requirement for selling into Europe.

VETRO POWER ADVANCED MATERIAL CARE | ZYAX CHEM PVT. LTD. | Third Floor, Kamer Building, 38 Cawasji Patel Street, Fort, Mumbai 400001 | +91-887-900-9911 | customercare@vetropower.com

Page 4 of 5

Questions shoe brands and distributors ask

Can we sell Vetro Power Textile Protect under our own brand?

Yes. Private label is one of the three ways we supply the footwear trade. You choose the product name and artwork; we fill the 100 ml or 250 ml trigger spray or supply bulk packs, and issue the brochure, technical data sheet and safety data sheet in your name.

What is the minimum order for a private label shoe protector spray?

It depends on the pack: filled trigger sprays and bulk drums have different minimums. Tell us the pack size and market in your enquiry and we confirm the minimum quantity and lead time in the reply.

Do you supply bulk for a factory line, and in what packs?

Yes. 1 L, 5 L, 25 L, 200 L and 1,000 L, ready-to-use or as a concentrate. Application on the line is by HVLP spray gun, two to three wet-on-wet coats, 20 to 50 ml per square metre.

Will it darken suede or change the colour of the upper?

No. The coating is colourless and dries invisible, so suede, nubuck and coloured leather keep their look, and the nap stays soft. It also improves colour fastness. Test on a hidden area of any new material before treating a batch.

Can it be used on white sneakers, canvas and mesh?

Yes. Canvas, cotton, nylon, mesh and knit are in the list of materials the coating is designed for, and it leaves no film, so white uppers stay white and mesh stays breathable.

Does it affect breathability or the feel of the shoe?

No. The coating bonds to the fibre rather than sealing the surface, so air and moisture still pass through and the material does not stiffen.

How long does the protection last?

In the laboratory the coated textile passed 5,000 Martindale abrasion cycles and 550 hours of xenon weathering, about five years of sunlight, with its repellency intact. On a shoe, wear and washing slowly reduce the effect; re-apply when water stops beading.

Is it PFAS-free, and does it meet Oeko-Tex and ZDHC?

Yes. It is PFOA-free and PFAS-free, verified as PFC-free by UNI CEN/TS 15968:2010, and conforms to Oeko-Tex Standard 100, ZDHC MRSL v2.0 and REACH. Test reports are available on request.

Can our factory in Vietnam, Indonesia, Portugal or India apply it?

Yes. It needs an HVLP spray gun and room temperature; no curing oven or special equipment. We supply application guidance for the line, and the coating is water-based, so it is not a flammable liquid for shipping or storage.

What documents come with a private label or factory order?

Brochure, technical data sheet and safety data sheet under your brand name, plus the test reports behind the performance claims on this page.

Links

This page online

<https://www.vetropoweramc.com/industries-nano-coating-for-clothes-textiles/shoes-sneaker>

Vetro Power Textile Protect product page

<https://www.vetropoweramc.com/product/stain-repellent-nano-coating-for-fabrics>

Vetro Power Advanced Material Care

Zyax Chem Pvt. Ltd.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai 400001, India

+91-887-900-9911

customercare@vetropower.com

www.vetropoweramc.com