

enviro SurfaPore H



WATER, OIL & STAIN REPELLENT FOR TEXTILES

PRODUCT DATA SHEET

Enviro SurfaPore H is a water-based formulation, specifically designed to harness the power of nanotechnology to provide both oil and water repellency to a wide range of fabric surfaces. Enviro SurfaPore H protects and water-proofs upholstery fabrics, carpets, curtains and surfaces covered with textiles, assuring that water and dirt are effectively repelled by chemical forces.

FEATURES

- Protection against water, oil, stains, grease
- Treated surfaces are easily cleaned
- Skin contact safe
- Does not change appearance of treated surfaces
- Environmentally friendly & water-based
- Easy application
- Long lasting

TYPICAL USES

Enviro SurfaPore H can be used for the protection of a wide range of textiles and textile-covered surfaces.

APPLICATION SURFACES

- Carpets & rugs
- Curtains
- Indoor & outdoor furniture
- Upholstery
- Car seats

SUBSTRATE PREPARATION

All surfaces should be clean, dry and free from dust, oil, grease, waxes and other foreign material or contamination.

APPLICATION

For any surface, test on a small area before full scale application. Before application, mix the product thoroughly to homogenize. Apply by using spray, brush or roller. No dilution is required.

Textiles such as cotton can be dipped for 0.5 to ten minutes. The application on leather can be done by polishing Enviro SurfaPore H onto the material.

On very absorptive surfaces, re-apply within 1 hour. Maximum protection is achieved 24 hours post application.

COVERAGE

Estimated coverage of 8-15 m²/L per coat, strongly dependent on the properties of the surface applied.

DURABILITY

Enviro SurfaPore H will last up to 5 years (depending on application, maintenance, type of use, type of fabric, type of environment and climate) or 3 complete laundry washing cycles.

Note: Enviro SurfaPore H will not prevent surface wear or etching from acids or caustic chemicals.

PACKAGING

Enviro SurfaPore H is supplied in 1L containers.

SHELF LIFE

Enviro SurfaPore H can be stored in its original sealed containers for 24 months, when placed in a cool environment above 4°C. Once opened and resealed for later use, the shelf life could vary depending on storage conditions. Always check product quality before using after prolonged periods of storage. If unsure, please contact EnviroSystems for advice.

HEALTH & SAFETY ADVICE

Read label before use. Refer to the Safety Data Sheet for full safety and handling procedures.

NOTE: Safety Data Sheets are available under the individual product page on our website or by emailing customerservice@envirosystems.com.au

PHYSICAL PROPERTIES

Form/Type	Water suspension
Colour	Clear
Application temperature	From +5°C to +35°C
Density	1.0 ± 0.05 g/cm ³
pH	5.0 ± 0.5

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use of application and no warranty as to accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use. Note: Field service where provided, does not constitute supervisory responsibility. Suggestions made by EnviroSystems Technologies either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not EnviroSystems Technologies are responsible for carrying out procedures appropriate to a specific application.

INTERNATIONAL STANDARDS TESTING

Contact angle measurements	Water -and oil- proofing can be quantified with contact angle measurement between liquid and substrate. The contact angle is measured between a 5 µL liquid droplet and the sample's surface (at 0 min and 5 min time after the drop had touched the surface) by using an optical tensiometer. The greater the angle, the more repellent the surface is.
Water droplet - Fabric	i. Untreated: Absorbed 0min ii. Treated: Contact angle 0min = 160.51° Contact angle 5min = 152.40°
Oil droplet - Fabric	i. Untreated: Absorbed at 0min ii. Treated: Contact angle 0min = 136.78° Contact angle 5min = 124.94°

We're here to help you!

It is a good idea to keep a journal of your job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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