

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Aqua Fend® is a leading 0.0% VOC product for the protection of concrete, stone and all other porous building and construction materials.

Aqua Fend® treated surfaces are protected against the harmful effects of surface water, frost, dirt, atmospheric pollution, oils and grease. Aqua Fend® can also limit the growth of moss and lichen through limiting surface water/moisture retention.

Aqua Fend® will prevent the return of efflorescence on brickwork once it has been cleaned.

Aqua Fend® is suitable for protecting the facades and public realm areas of private residences, public buildings, offices, airports, railway buildings, coastal structures, monuments, car parks, retail shops, and historic buildings.

Aqua Fend® is used for protecting limestone masonry and other building materials such as sandstone, granite, marble, slate, render, plaster, and terracotta. It is also an anti-carbonation treatment, effective in preventing chloride damage on concrete and other materials.

Aqua Fend® is a water-borne product (non-toxic, solvent and silicone-free); unlike other surface protection products, such as solvent or water-based silanes.

Aqua Fend® has been proved 'worker and environment' safe by 48-Hour Acute Toxicity Testing to OECD guidelines. Other products have failed this critical 'Environment Safe' test.

Aqua Fend® is a non-film-forming impregnation product which leaves the treated surface permeable to air and water vapour. Aqua Fend® is a colourless surface treatment which does not change the appearance or the chemical composition of the treated surface. Aqua Fend® is a UV-stable treatment, which does not discolour with age.

A surface which is treated with Aqua Fend® will be easier to maintain, increase the lifespan of the substrate, and will extend the period between cleanings. All of these will aid the reduction on capital expenditure and save your business money.

CHEMICAL PROPERTIES

Aqueous fluoropolymer dispersion

ADVANTAGES AND CHARACTERISTICS

Applicable to vertical and horizontal surfaces.
Used for preventing topical pollution/dirt on buildings.
Used for preventing freeze-thaw deterioration.
Anti-carbonisation, anti-graffiti protection and stain resistance for walls and other surfaces.

Used for preventing water penetration, salts, and oily liquids.

Prevents efflorescence formation after cleaning.

Used for preventing moss and lichen reoccurrence.

Non-film forming treatment that allows the treated surface to breathe.

Non-hazardous, non-toxic product with 0.0% VOC.

Water-borne product which results in an invisible surface protection.

Solvent and silicone-free.

95%+ biodegradable according to OECD standards.

UV-resistant, does not discolour the treated surface over time.

Easy to use straight from the container.

Safe to use: non-flammable product.

PACKAGING

5 ltr & 20 ltr HDPE Plastic container

1000 ltr IBC HDPE Plastic and Aluminium container (upon request)

TECHNICAL PROPERTIES

Physical state at 20°C: Liquid

Appearance: Colourless

Odour: None

pH: 8 ± 0.5

Boiling point [°C]: 100°C

Density: 1.0 kg/l

Solubility in water [vol/vol]: Fully soluble

Flash point [°C]: not applicable

VOC: 0g/l

INSTRUCTIONS FOR USE

- Remember to wear appropriate PPE (including gloves, mask and eye wear) during application process.
- Use the product directly from the container (do not dilute). Shake the container well before use.
- On application, always apply from bottom up.
- Always test out the product on a small hidden portion of the substrate.
- Ideally apply using a High-Volume, Low-Pressure sprayer.
- The substrate must be impregnated to the point of saturation in a single application process (wet-on-wet).
- Do not over-apply the product.
- Water repellence achieved within 24 hours.
- Optimum effectiveness obtained after 7 days.

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CONSUMPTION

Consumption depends upon the porosity of the substrate material and its geographical location. Value given as an indication only: 3-6 m²/l.

CLEANING OF EQUIPMENT

Clean tools and equipment immediately after use with water.

STORAGE

Store away from frost and heat in a dry, cool place in the original container at temperatures between 5 °C and 30 °C.

RECOMMENDATIONS

Remove all atmospheric pollution-related dust and dirt from all surfaces which are to be treated, before starting the application of Aqua Fend products. Jet wash if necessary but surfaces must be touch dry.

To obtain the best results on application Aqua Fend should be shaken before use and only applied when the temperature of the surface to be treated is above 5 °C.

DO NOT apply during rainy or very hot weather.

DO NOT dilute or mix with any other product.

HEALTH & SAFETY

Respiratory protection: Under normal conditions of use where adequate ventilation is available, no special respiratory protective equipment is needed. However, it is advisable to wear a visor.

Hand protection: Wear gloves.

Skin protection: no special protective clothing or skin protection is required under normal conditions of use.

Eye protection: Wear eye protection or ideally a full-face visor.

If swallowed: DO NOT induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL ASSISTANCE

Heritage Building Conservation Ltd
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Legal disclaimer: the above information in this document is believed to be correct at the time of production. We recommend that a copy of this material safety data sheet is downloaded from www.aquafend.co.uk every time you purchase an Aqua Fend® product to ensure you have the latest version of this information. We expressly decline any liability in the event of failure by the user to comply with the recommendations and conditions of said product(s), notably but not exclusively in the event of incorrect application by an unqualified person(s) or use of products not compatible with this product(s) or applied in unsuitable weather conditions. For further information please refer to the technical data sheet. Formal classification on all matters relating to application and suitability for use of the product(s) should be sort prior to ordering.