



PURE NANO GLASS COATING FOR GRAFFITI PROTECTION

DESCRIPTION

Aqua Fend® LG is a graffiti resistant formula for coating porous silicate substrates such as sandstone, concrete, terracotta and clay. Once applied, a protective layer less than 100-nm thick (80,000 times thinner than a human hair) binds with inner pores of the substrate to leave a smooth, anti-stain, non-discolouring surface layer.

The coating is optically clear, UV stable, chemically inert and extremely durable, having both hydrophobic and oleophobic capabilities. It will not peel or flake and is unaffected by extremes temperature from -20°C to +350°C.

RECOMMENDED USE

Aqua Fend® LG provides ideal protection against:

- Repeated graffiti vandalism – offering 10-15 cycles of colour removal before reapplication.
- Chemical attack including acrylic paint damage – allowing easy removal of solvent-based graffiti and solvent-free graffiti.
- Colour seepage into substrate.
- Abrasion and front damage.

TECHNICAL PROPERTIES

- **CHEMICAL PROPERTIES:**
Modified hybrid materials in aqueous solution.
- **PHYSICAL STATE AT 20°C:**
Liquid.
- **BOILING POINT:**
100°C.
- **FLASH POINT:**
66°C.
- **APPEARANCE:**
Colourless.
- **ODOUR:**
Nearly odourless.
- **PH:**
3-5.
- **DENSITY AT 20°C:**
1.06 ± 0.03g/cm³.
- **SOLUBILITY IN WATER AT 20°C:**
Soluble.

APPLICATION

- After preparation, apply quickly & lightly onto surface in areas of approximately 1 metre at a time.
- Apply using vertical motion, ensuring complete and even wetting.
- Avoid over application and puddle formation.
- More intricate surfaces may need a second application if surface is not fully wet- re-apply using a horizontal motion.
- During any second application it is possible that bead formation will be visible.
- Applying to small areas of 1m² makes it easier to ensure correct application.
- Hardening with dry substrate is reached in 24 to 48 hours (at 20° C). At different ambient temperatures curing time varies.

- **CONSUMPTION:** 10sqm/L – Consumption depends on the porosity of the material and its geographic location. This value is only given as an indication.
- **CLEANING OF EQUIPMENT:** Clean tools immediately after use with water.
- **STORAGE:** Shelf life of at least six months in the unopened container. Product should be used quickly once opened. Protect from frost: Performance will be impaired if kept below 5°C.
- **PERFORMANCE:** 10-15 cycles of colour removal before reapplication.

HEALTH & SAFETY

- **RESPIRATORY PROBLEMS:** Supply fresh air; consult doctor in case of pain.
- **HAND PROTECTION:** Wear protective gloves.
- **SKIN PROTECTION:** Immediately rinse with water.
- **EYE PROTECTION:** Rinse open eye for several minutes under running water. If problems persist, consult a doctor.
- **IF SWALLOWED:** Rinse mouth with water, spit liquid out again, give person 3-4 glasses of water. DO NOT induce vomiting; call medical help immediately.

**KEEP OUT OF REACH OF
CHILDREN.**