FLAG STONE FIX
STONE CARE EXPERTS

ZYAX GROUP

Technical Data Sheet (TDS)

FS NANO POWER PROTECTOR

Surface impregnation and protection system

DESCRIPTION

FS Nano Power Protector is a ready-to-use, solvent-based impregnator that penetrates stone, tile, and grout to create an invisible subsurface shield against oils and liquids. Engineered for low-porosity materials such as unglazed tile, grout, terracotta, and dense stones, it offers reliable stain and water repellency while preserving natural appearance.

KEY FEATURES

- Long-lasting protection
- Rapid absorption in low-porosity materials
- Outstanding stain defense
- Oil- and water-repellent finish
- Maintains original color
- Simplifies stain removal
- Suitable for polished and natural finishes
- Dries to a non-tacky film

PERFORMANCE COMPARISON

Treatment	Oil Repellency	Water Repellency	Stain Resistance
FS Nano Power Protector	Excellent	Excellent	Excellent
Silicone (solvent)	Poor	Excellent	Poor
Untreated	None	None	Very Poor

Note: Performance is affected by the nature of the stone. Patch test highly recommended.

APPLICATION AREAS

- Indoor/outdoor
- Granite
- Marble and limestone
- Onyx and travertine
- Flagstone
- Ceramic
- Recommended for areas prone to food and liquid spills

COVERAGE ESTIMATES

Typically covers 10–25 m² per liter, depending on substrate porosity.

STORAGE

Store in original, sealed containers at ambient temperatures.

SHELF LIFE

Approximately 12 months.

APPLICATION GUIDELINES

SURFACE PREPARATION:

- Remove dirt, debris, oil, and loose particles.
- Remove any wax, epoxy, or coatings before applying.
- Wash and dry the surface to remove salts such as nitrates, sulphates, and chlorides, which can reduce porosity and result in incomplete impregnation. (Inquire about speciality cleaning products for natural stone).

APPLICATION METHOD:

1. Conduct a small-scale test to verify appearance and performance.
2. Apply generously with a brush, roller, or low-pressure sprayer.
3. Allow the product to remain wet for 15–50 minutes.
4. Wipe off surplus with a sponge or clean cloth.
5. Ensure good air circulation during drying.
6. Allow at least 72 hours for full cure, depending on environmental conditions.

TECHNICAL INFORMATION

Appearance	Clear liquid
Odour	Mild
Density	0.8 ± 0.1 g/cm³

SAFETY PRECAUTIONS

- Wear protective gloves and eye/face protection.
- Use in well-ventilated areas.
- Contains solvent: keep away from heat, sparks and open flames. Do not smoke while applying. Store and use in a well-ventilated area.
- When spraying, avoid breathing the spray mist.
- In case of skin contact, rinse thoroughly with water.
- Keep out of reach of children.

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