

WP-440 S



Solvent-Based, Silane-Based, Impregnating Water Repellent and Protective Material

Description

WP-440 S is a transparent, solvent-based, silane-based, impregnating water repellent and protective material developed for the waterproofing of absorbent natural stone and brick-clad exterior façades. It penetrates the surface without altering the natural appearance.

Advantages

- Low viscosity
- Resistant to UV radiation
- High penetration capability
- Extends the service life of structures
- Keeps surfaces dry, preventing contamination, efflorescence, algae, moss, mold, and fungus formation
- Eliminates the negative effects of freeze–thaw cycles
- Dries quickly due to its solvent-based structure and is not affected by cold weather
- Transparent; does not form a surface film and does not cause color or appearance changes
- Protects exterior claddings and natural stones without altering their appearance
- Increases concrete resistance to freeze–thaw cycles and de-icing salts
- Allows water vapor permeability
- Reduces water permeability of the applied surface, provides water repellency, prevents dusting, and increases abrasion resistance
- Penetrates deeply into all absorbent concrete and mineral surfaces to provide protection
- Can be applied by brush, roller, or spray

Areas of Use

For interior and exterior applications on;

- Traverten doğal taş kaplamalarda,
- Travertine natural stone claddings
- Decorative brick, natural and artificial stone, marble, and granite
- Historical buildings, monuments, cement-based surfaces
- Sculptures

Used for protection against external factors and atmospheric gases.

Surface Preparation

Application surfaces must be sound and clean. The surface must be free of paint, bitumen, curing compounds, and oil. The surface must not be excessively damp and there must be no standing water.

Application

Apply by brush, roller, or spray until the surface is fully saturated. On highly absorbent surfaces, a second or third coat should be applied within a maximum of 4 hours after the first coat. Full curing time is 24 hours.

Consumption

Approx. 100–200 g/m². Material consumption may vary depending on the absorbency and texture of the surface.

Technical Properties

Color / Appearance	Transparent liquid
Density	0.90 g/cm ³
Waiting time between coats	Max. 4 hours
Full curing time	24 hours
Flash point	21 °C
Application temperature	Between +5 °C and +30 °C

**Values are determined at +23 ±2 °C and 50 ±5% relative humidity.

Important Notes

- Ready to use; do not dilute
- No foreign materials must be added
- Stir before use
- Due to its flammable solvent content, store and use in accordance with safety requirements in unopened original packaging at room temperature
- Do not apply in rainy weather or on wet surfaces
- Do not apply under direct sunlight
- Tools used should be cleaned with water immediately after application; dried residues should be cleaned with thinner

Storage and Shelf Life

When stored in original, unopened packaging, in dry and moisture-free conditions, protected from direct sunlight, and at temperatures between +10 °C and +35 °C, shelf life is 12 months from the production date. Packaging must be tightly closed when not in use. Pallets must not be stacked.

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Packaging

Available in 12 kg containers.

Cleaning of Tools

All tools used should be cleaned immediately after application with thinner or aromatic solvents.

Safety Precautions

- Çocuklardan uzak tutunuz.
- Keep out of reach of children
- Do not eat or swallow
- Flammable; keep away from open flames and fire
- Keep away from foodstuffs
- Do not inhale directly or allow contact with skin
- May cause allergic reactions
- In case of eye contact, rinse thoroughly with plenty of water and seek medical advice
- Use gloves, goggles, and protective clothing during application
- Wash hands thoroughly with water after application
- For detailed safety information, read the Material Safety Data Sheet (MSDS)

Quality Certificates

- ISO 9001
- ISO 14001
- CE

