

WP-440



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

Description

Hammerfast WP-440 is a solvent-free, water-based, silane-based, transparent impregnating water-repellent and protective material for the insulation of exterior façades clad with absorbent natural stone and brick, without altering their 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
- 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

It should be applied by brush, roller, or spray gun until the surface becomes saturated. On highly absorbent surfaces, a second or third coat should be applied approximately 30 minutes after the first coat. The drying time is 24 hours to achieve full performance

Consumption

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

Technical Properties

Color / Appearance	Water based transparent liquid
Density	0,95±0,05 g/cm ³
Waiting time between coats	30 min
Full curing time	7 days
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
- 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.

Packaging

Available in 10 kg containers.

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Cleaning of Tools

All tools used must be cleaned with lukewarm water immediately after application

Safety Precautions

- Keep out of reach of children
- Do not eat or swallow
- 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

