

Stone Protect 4000

Technical Data Sheet (TDS)

1. Product Description

Stone Protect 4000 is a VOC-free, water-based silicone and acrylate system developed for the long-term protection of natural stone, concrete, and masonry. The advanced siliconate chemistry penetrates deeply into porous substrates to form a breathable, invisible barrier that repels water, salts, and contaminants, while maintaining the natural appearance of the surface.

2. Recommended Applications

- Natural stone: sandstone, limestone, travertine, marble, granite, grout
- Concrete: floors, walkways, patios, driveways, facades, steps
- Masonry: block walls, brick, stone veneer
- Suitable for both interior and exterior use
- Not recommended for glass, polished, or glazed surfaces.

3. Key Features & Benefits

- VOC-free – safe for indoor and outdoor use
- Advanced silicone and acrylate system – deep penetration and chemical bonding for long-lasting repellency
- Breathable – allows vapor transmission, prevents trapped moisture
- Effect “wet look” – colour intensification
- UV & weather resistant – protects against harsh climates
- Reduces efflorescence and surface dusting
- Easy to maintain – surfaces remain easier to clean

4. Technical Data

Property	Typical Value
Base Chemistry	Proprietary siliconate system
Carrier	Water
Appearance	Milky liquid
VOC Content	0 g/L (VOC-free)
pH	~11.5
Specific Gravity	~1.1 @ 20 °C



Coverage*	3-6 m ² /L depending on porosity
Dry Time	Touch: 1-3 hours; Light traffic: 6-12 hours; Full cure: 24 hours
Service Life	5-10 years depending on substrate and exposure conditions
Shelf Life	24 months, unopened, 5-30 °C
Packaging	1 L bottle; 5 L canister; 10 L canister; 25 L canister; 1000 L IBC container

*Coverage depends strongly on substrate porosity and surface texture.

5. Application Instructions

1. Surface must be clean, dry, and free from oils, sealers, or contaminants.
2. Shake or stir before use.
3. Apply evenly with low-pressure sprayer, roller, or brush. On highly porous surfaces, apply a second coat while the first coat is still wet (wet-on-wet).
4. Remove any excess product within 10-15 minutes if it beads or remains on the surface, to avoid residue, haze, or uneven finish.
5. Apply in 1-2 coats as needed.
6. Protect from rain until fully cured.

6. Safety & Handling

- Use gloves, goggles, and protective clothing
- Avoid inhalation of spray mist
- Rinse thoroughly if contact with eyes or skin
- Do not release into drains or waterways
- Store sealed, away from children

7. Limitations

- Not suitable for dense, polished, or glazed surfaces
- Not recommended for below-grade or permanently wet applications
- Existing stains must be removed prior to application

Stone Protect 4000 – VOC-free silicone and acrylate system for invisible stone and concrete protection

