



MINERALITE

Flexible Stone for Wall Surfaces

PENETRATING SEALER SPECIFICATION SHEET

For Internal Wet Areas - Bathrooms, Showers, Steam Rooms

1. PURPOSE

Penetrating sealers provide deep, breathable protection for Mineralite tiles and slabs installed in internal wet areas. They prevent moisture ingress, minimise staining, and long-term degradation while maintaining the natural Mineralite aesthetic.

2. APPROVED SEALER TYPES

Only **non-film-forming penetrating sealers** are permitted.

- **Water-Based Penetrating Sealer** Natural finish, high breathability, low VOC.
- **Solvent-Based Penetrating Sealer** Deeper penetration, extended durability.
- **Fluoropolymer Penetrating Sealer (Premium Grade)** Maximum water and oil repellency; ideal for high-exposure wet zones.

Film-forming sealers (acrylic, polyurethane, epoxy) are **not acceptable**.

3. PERFORMANCE REQUIREMENTS

3.1 Moisture Protection

- Hydrophobic barrier preventing water ingress
- Allows vapour transmission
- Suitable for continuous wet exposure

3.2 Stain Resistance

- Resistant to soaps, shampoos, conditioners, cosmetics, oils
- Premium sealers must provide oil repellency

3.3 Aesthetic Neutrality

- No visible film, sheen, or gloss
- No colour change unless an enhancing sealer is intentionally specified

3.4 Durability

- Water-based: **3–5 years**
- Solvent-based: **5–10 years**
- Fluoropolymer: **10–15 years**

3.5 Environmental & Safety

- Low-VOC or zero-VOC
- Non-toxic once cured
- Suitable for internal environments

4. APPLICATION REQUIREMENTS

4.1 Surface Preparation

- Mineralite must be fully cured to substrate
- Surface must be clean, dry, dust-free
- Remove grout haze and contaminants

4.2 Application

- Apply with brush, roller, pad or low-pressure sprayer
- Maintain wet surface for **3–5 minutes**
- Remove all excess before drying
- Additional coats as required by porosity

4.3 Curing

- Protect from water for **24 hours**
- Full cure: **24–72 hours**

5. MAINTENANCE

- Clean with **pH-neutral cleaners**
- DO NOT use acidic, alkaline or abrasive products
- Re-seal when water no longer beads
- Expected maintenance cycle:
 - Standard: 3–5 years
 - Solvent-based: 5–10 years
 - Fluoropolymer: 10–15 years

6. Compliance

Sealer must comply with:

- Internal wet-area performance requirements
- VOC regulations for indoor environments

PENETRATING SEALER COMPARISON MATRIX

Sealer Type	Water-Based Penetrating Sealer	Solvent-Based Penetrating Sealer	Fluoropolymer Penetrating Sealer (Premium)
Protection Level	Good water repellency	Very good water repellency	Exceptional water & oil repellency
Oil Resistance	Moderate	Good	Excellent
Breathability	High	High	Very high
Appearance Change	None	Slight darkening possible	None
Slip Resistance Impact	None	None	None
VOC Level	Very low	Moderate	Low
Odour During Application	Minimal	Noticeable	Minimal
Lifespan	3–5 years	5–10 years	10–15 years
Best Use Cases	Bathroom walls, splash zones, low-oil exposure	General wet areas, higher-use bathrooms	Showers, steam rooms, high-use bathrooms, premium installations
Advantages	Easy to apply, low odour, cost-effective	Deeper penetration, longer life	Maximum protection, longest life, best stain resistance
Limitations	Shorter lifespan	Odour during application	Higher cost

NOTE – Using sealers **DOES NOT** Guarantee Mineralite from staining.