

Technical Data Sheet

February 2023

Microshield

DESCRIPTION

Microshield is a clear waterborne, 100% acrylic 'pore-lining' treatment with high resistance to chemicals and staining agents.

Microshield has outstanding water repellency, providing surface protection whilst allowing the substrate to "breathe".

ADVANTAGES

- Natural low sheen finish.
- Superior stain resistance.
- Tough and durable 100% acrylic coating.
- UV stable.

SUITABLE SUBSTRATES

- PLUS BASE
- PLUS MEDIO
- PLUS FINO
- Concrete
- Natural Stone
- CFC Sheet

TECHNICAL DATA (@ 25°C)

Number of Coats:	2
Coverage: (per coat)	10-15m ² /L
Recoat:	2-4 Hours
Full Cure:	7 Days
Colour:	Clear
Shelf Life:	12 Months

SUBSTRATE PREPARATION & APPLICATION

- Surfaces must be clean and free from all contaminants.
- Surfaces must be well consolidated.
- If area has been previously sealed, ensure coating compatibility. If in doubt, remove existing coating.
- If area has been previously sealed, ensure re-coating will not produce an excessive film build that may compromise the breathability of the substrate.
- Apply a trial patch before full application to assess sealer adhesion, substrate colour enhancement, gloss level and slip resistance.

- Apply with a good quality brush or roller.
- Once cured, any remaining visible streaky film build up should be washed with warm soapy water, rinsed and buffed with soft cloth.
- Protect sealed area from light foot traffic for at least 24 hours.
- Do not expose to moisture for at least 7 days.

APPLICATION CONDITIONS

- Application temperature must be above dew point.
- Do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.

Note: When applying internally or in humid conditions, air flow should be maximised with the use of fans to assist cure.

SAFETY AND FIRST AID

Microshield Safety Data Sheet is available upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

MAINTENANCE SCHEDULE

General

- Given the correct care and maintenance, sealed surfaces will retain their colour and appeal for years. Sealed surfaces are easier to clean and maintain.

Microshield

- Microshield works by blocking substrate pores, and or providing a protective layer that helps stop dirt and other contaminants becoming ingrained, whilst delivering a more consistent look. Sealers will wear over time, however if well maintained, sealer performance will be maximised and the frequency of re-sealing will be reduced.
- To ensure the maximum lifespan of a sealer, it is recommended that periodic cleaning and maintenance is carried out. Cleaning frequency and methodology will vary dependent upon surface finish, volume of traffic, dirt accumulation and appearance requirements, and is therefore best designed and trialled to suit each specific situation.

Recommended Maintenance Schedule

- Immediately remove any spilt oil, grease, solvents or other staining agents as soon as that occur.
- Remove dirt, sand, gravel, vegetation, mud or other abrasive agents to avoid permanent surface damage.
- Regularly clean sealed surface with a soft bristle brush and wash down with a mild neutral detergent, such as dishwashing liquid, and rinse thoroughly.
- Use soft pads or wheels when moving furniture, pots etc. to protect surface from scratching.
- Clean and re-coat high wear areas, such as doorways and walkways, when the surface becomes dull and / or wets easily.
- Repair and re-coat any areas of mechanical damage.
- Full recoat after 24-36 months is recommended.

Things to avoid

- Aggressive and abrasive cleaners, solvents and chemicals.
- Do not exceed 1800 p.s.i. if pressure cleaning.
- Excessive scrubbing – this will reduce coating life expectancy.
- Mould growth and soap scum build up.
- Poned areas – ensure good drainage.
- Dragging heavy items across surface.
- Soft rubber wheels of protection pads that may leach stains or bond with the coating.