

TECHNICAL DATA SHEET

ECOTONE MINSIL



ECOTONE
Colour for life

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ECOTONE Minsil

An extremely durable aqueous mineral silicate emulsion stain for concrete and masonry surfaces. It penetrates and bonds to dense materials.

The thin base keeps natural surfaces from being covered up, whilst providing the desired colour. Ecotone Coatings colour technicians and accredited applicators custom blend light fast colorants and incorporate these in the formulation to achieve the natural colour finish required.

We customise the application and the degree of translucency to meet the aesthetic requirements whilst always maintaining the natural look. This product can be applied in colour densities from a wash of faint colour through to full opacity.

ECOTONE Minsil is highly effective at blending away colour variations that naturally occur in the manufacture of concrete. This includes blending away unsightly or mismatching patch repairs and skim coat finishes.

Product Properties:

- Non-flammable
- Chemical bonds to surface
- Non-toxic
- Water based
- Resist algae, mould, and soiling
- Permeable to water vapour
- Colour fast & durable
- Non-film forming and penetrating
- Solvent free

Product Characteristics:

Specific Gravity:	1.05-1.40g/mL*	Flammability Limits:	Non-Flammable
Flashpoint:	None	Solubility:	Water Miscible
Boiling Point:	100oC	pH:	Approx. 11
VOC:	<1g/litre**		

*(depending on the pigment loading) **(Calculated according to the SCAQMDR 1168)

Coverage Treatment Yield:

Approx. 5-15m² per litre depending on porosity of substrate formulation.

Limitations:

Not suitable for application on synthetic surfaces such as silicone, urethane, epoxy or plastic. Coating sets hard and is not flexible; not recommended for caulking joints. If colour coding of weatherproof caulking joint between precast panels is required, ensure caulking material is rated as paintable by manufacturer. If paintable, colour coding to be achieved by coating with ECOTONE Matt as opposed to ECOTONE Minsil.



Patch Repairs:

Ensure patching repair materials used are compatible with ECOTONE Minsil concrete stains. Patching materials ideally are Portland cement-based repair mortars. The top patched surface for off- form or formed concrete should be constructed of fairing coat mortar. Patching materials must be exterior rated and not rely on weather protection by subsequent coating. Non cementitious patching materials such as epoxy or polyurethanes are not suited for coating by ECOTONE Minsil.

General Preparation:

Prior to ECOTONE Minsil application ensure substrate is clean and dry and free of dust. Remove loose and unstable material as a sound surface is required for external applications. Remove any excessive dirt and surface contaminants.

Test concrete surfaces by spray misting with water to ensure surface is ready to accept ECOTONE Minsil concrete stain. A ready surface will wet evenly and quickly. Any mould release residues remaining on the surface that prevent the concrete wetting are to be removed prior to ECOTONE Minsil application. Mask and protect surfaces such as glass, metal, concrete and masonry from potential overspray/roller flare and drips during application.

Application Instructions:

ECOTONE Minsil can be applied by brush, roller, sponge, and spray equipment. The choice of application technique will be dependent on the target colour finish to be achieved.

For translucent finishes, ECOTONE Minsil will be customised depending on the level of translucency required for the project, this may involve varying the number of applications required. For very translucent finishes and colour washes the stain may require dilution using ECOTONE Fix. Opaque finishes may require 2 or 3 applications. ECOTONE Minsil should not be applied in very cold or hot conditions. Apply between 5°C and 40°C.

Safety Instructions:

Protect eyes and skin from contact with ECOTONE Minsil. Do not swallow. Keep away from children. Please refer to ECOTONE Minsil Safety Data Sheet (SDS) for further information.

Cleaning of Application Equipment:

Clean up of equipment should be completed with water before the products have been allowed to dry. Spills or overspray should be cleaned with water and not allowed to dry.

Quantity:

1L, 4L and 14L approx.

For any clarifications or further information on this Technical Data Sheet or any other ECOTONE products please contact our ECOTONE team on 1300 ECOTONE (1300 326866) or info@ecotonecoatings.com