TECHNICAL DATA SHEET

Silicone Topcoat

Product Code: ESPS/S-TC/***

SPS ENVIROWALL PROMOTES THE RE-USE (mixing tub/Tool carrier/rubbish container) –RECYCLING AND RESPONSIBLE DISPOSING OF ALL OF ITS PRODUCT RANGE, VIA THE ENVIRONMENTAL RECYCLING SCHEMES FROM SITE.

PLASTIC TUBS, LIDS AND METAL WIRE HANDLES ARE FULLY RECYCLABLE.

Characteristics

EnviroSil Silicone Topcoat is a water repellent through colour textured finish allowing the façade to maintain its cleanliness, via the natural cleaning process which occurs during rainfall. Contains a safe level of anti-fungicide sufficient to resist the growth of most UK fungi and algae, thus making the finish remain cleaner for longer periods of time. Vapour permeable making it ideal to use as a finish with all types of insulation, especially mineral wool as this allows the system to breathe. Non-swelling, low stress, environmentally friendly, low odour, high resistance to environment pollutants and micro-organisms and also UV-stable.

To minimise colour shade variations and to also avoid dry line jointing, continuous surfaces should be completed where possible without a break. Material should be checked prior to application for batch numbers to safeguard colour consistency. Always use materials having the same batch number to complete elevations. Any subsequent deliveries the remaining part of the material should be mixed with the new material in order to avoid colour differences.
Extensive choice of colours available corresponding with our wide range of EnviroSil Silicone topcoats. It is not possible to use colour tones with brightness references below 20.

Environment factors such as adverse weather and direct sunlight can cause variants in colour. Silicone paint must be applied during suitable weather conditions to dry backgrounds, strictly in accordance with SPS Envirowall Limited's instructions.

Technical Data

Supplied in 25kg Plastic containers

Consumption

Grain size 1,0 mm approx. 2,3 kg/m²
Grain size 1,2 mm approx. 2,5 kg/m²
Grain size 1,5 mm approx. 2,7 kg/m²
Grain size 2,0 mm approx. 3,4 kg/m²
Grain size 3,0 mm approx. 3,7 kg/m²
Grain size 4,0 mm approx. 5,3 kg/m²

Density approx.	1,72 kg/dm³
Water vapour diffusion resistance:	μ 60
Thermal conductivity:	0,60 W/(m)
Diffusion resistance	sd≈0,1 m
Water absorption coefficient	w ≤ 0,1 kg/(m²h0,5)

Substrate

The basecoat must be allowed to dry and shrink for approximately 2 days in good drying conditions prior to applying the primer and topcoat. The surface must be flat, clean, dry and free from dust, grease, chalking or anything else likely to prevent a good bond, prior to applying SPS Envirowall finishes. Apply EnviroSil Silicone Primer (see separate datasheet) in the colour tone of the topcoat before application the topcoat.

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Before commencing the application ensure all scaffold boards are swept and if required washed clean, ensuring all dust and dirt is swept away from the face of the wall.

If in doubt about the substrate please consult our Technical Department for advice.

Application

EnviroSil Silicone topcoat is ready to use after stirring briefly ensuring the contents are re-blended and the quartz grain is evenly distributed throughout the mixture. A small amount of water may be added (max. 2%) if required to accommodate the substrate or the climatic conditions. NB If more than 2% of water is added pigment dilution can cause shade variances.

To minimise colour shade variations of and to avoid dry line jointing, continuous surfaces should be completed without a break. If breaks cannot be avoided they should be terminated where services or architectural features, such as drainpipes, reveals or lines of doors and windows, which help mask joints. Where long uninterrupted runs are planned, the material should be checked for batch numbers to safeguard colour consistency. Materials having the same batch number should be used to complete an elevation

Apply the SPS Envirowall Silicone topcoat with a stainless steel smoothing trowel to the thickness of the grain size and after approximately 20 minutes (dependant on weather and temperature conditions it will start to skin over making it difficult to finish) after applying to the substrate start to rub with a 1-2mm plastic float in a circular motion always maintaining “wet on Wet” material edges. EnviroSil Silicone topcoat can also be applied (up to 3mm grain size) with a suitable conveying pump with spraying equipment. EnviroSil Silicone topcoat dries naturally by water evaporation; the drying time may be increased in high air humidity and/or low temperatures.

Provisions must be taken to protect the topcoat against torrential rain and also from drying too quickly. Where possible avoid working in direct sunlight and strong wind. Covering the façade and scaffold as a precaution will help prevent the topcoat from drying prematurely.

Do not apply when the substrate or the environmental temperatures are below 5°C or above 30˚C. Tools and equipment must be cleaned with water immediately after use. Surrounding building parts, such as windows, window-sills etc. must be properly covered before application.

Wipe clean at each work stage all exposed nosing, movement joints, sills etc. Any spillages on certain surfaces can be removed using SPS Envirowall Pure Gold Cleaner Ref.ESPS PG Topcoat. Please contact SPS Envirowall for further details

Storage

Store in a cool and frost-free area. Protect against direct sunlight Can be stored in a closed container for at least 1 year. Once containers are opened use Topcoat within a short time period.

Certificates/approvals

Identification

Special Information

Disposal

Do not empty contents into the ground, water courses or drains. Check local landfill requirements for correct disposal. See the SPS Envirowall Limited Health & Safety data sheet on this product for information regarding the safe disposal of this product.
Empty containers, Lids and wire handles can be fully recycled

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The information supplied in this Technical Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Our application recommendations, whether verbal, written or as graphics, are given to the best of our knowledge and the state of the art. Information about values, quantities etc. are based on approximate figures. The recommendations do not constitute a legally binding warranty of quality. In particular no liability claims may be based on these recommendations; the provisions of the product liability law remain unaffected.
The recommendations do not release the purchaser from his own duty to test the product or from his own responsibility, and in particular they do not release the purchaser from compliance with the relevant technical guidelines, regulations, DIN and laws. Publication of a revised version of this technical information sheet due to technical progress invalidates all older versions of this document.