

SPS Envirowall Ltd



Technical Data Sheet

ISO No. 5829
Trade Name: Enviromin Topcoat

Version 1
Product Name: Enviromin Mineral Top Coat

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

Product Description

A high performance cement based and polymer modified through coloured mineral thin coat render, based on colour fast lime bloom free technology. Fibre reinforced and highly weather resistant. Using high performance cross-linked technology this water repellent formulation provides excellent façade protection with a high level of vapour permeability. It can also be applied in lower temperatures. Available in a range of pastel colours and can be if required overpainted with a silicone grade paint. Environment factors such as adverse weather and direct sunlight can cause variants in colour. Enviromin must be applied during suitable weather conditions to dry backgrounds, strictly in accordance with SPS Envirowall Limited's instructions.

General Applications

Once the basecoat has set fully you can apply the Enviromin Topcoat directly to the surface of the basecoat without requiring a Silicone primer. It is not essential to prime the base coat but if there is a concern that there may be uneven suction on the façade, if the base coat has been applied for some time or top coating will occur in dry, sunny conditions where there is concern that the topcoat may cure too quickly, we would recommend the application of a silicone based primer to ensure even curing and sufficient open time to allow adequate finishing of the top coat. Enviromin should be mixed with 6 to 6.5 litres of clean water per 25kg bag using a clean paddle mixer. Mix for 2 minutes and leave to stand for 2 minutes then re-mix. This ensures the additives dissolve and activate.

Note: - Enviromin may stiffen if left standing, re-mix the product to gain a workable consistency but do not add any more water. To maintain colour consistency panels should be completed in sequence working around the building and where possible using the same bag batch numbers. To avoid dampness and discolouration the product should not be used below the DPC or within 150mm of ground level.

To apply the Enviromin use a stainless steel trowel or suitable spray equipment using the grain size as a guide to the thickness it is applied to. Work the material onto the primed basecoat ensuring the grain is evenly distributed. Once the Enviromin is applied finish the material using a 1mm plastic float in a circular motion to create an even spread of the grain.

IMPORTANT INFORMATION: The weather conditions for application and drying are critical. Do not apply if the following conditions are likely to arise during or within the first 24 hours following application.

- If frost is forecast or in wet conditions
- When the relative humidity is above 95%
- In temperatures below 5°C or above 25°C
- Centigrade
- If the façade is in direct sunlight.
- If the substrate is hot (at or above 30°C) or below 3°C.
- Coverage rates are approximate and do not take into account for wastage or uneven substrates.

The Enviromin must be protected against heavy rain, direct sun or wind in the first 24 hours after application. Sheeting the façade or the scaffold is advised to protect against this. For this particular product, if these parameters are not met, the product is at risk of colour variation, cracking or potential failure. Always ensure that the same batch numbers are used when possible up to natural breaks in the façade such as rainwater downpipes, expansion joints and corners of the building as batch to batch colour variations are possible due to the fact natural raw materials are used. It is the responsibility of the applicator contractor to manage and record the weather conditions during the application and curing of the product.

Preparation

All surfaces must be sound, clean, dry and free from any material which may impair adhesion. DO NOT apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration must be rectified. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out.

Composition

Enviromin is supplied 25kg paper sacks; palletised (48) bags and shrink wrapped. When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

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Enviromin can be applied in temperature ranges of 0 °C up to 25 °C. Enviromin is ready to float finish from 10 to 40 minutes depending on external temperatures and weather conditions. Humidity requirement – Less than 95%

Limitations of Use

The basecoat must be allowed to dry and shrink for approximately 2 days in good drying conditions prior to applying the primer and Enviromin 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. 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.

Health & Safety

See separate msds: available at Upon request

Handling & Storage

Storage: Store in a cool and frost-free area and protect against direct sunlight.

Special Information

Disposal: RECYCLING AND RESPONSIBLE DISPOSING OF ALL OF ITS PRODUCT RANGE, VIA LOCAL ENVIRONMENTAL RECYCLING SCHEMES. 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.

DISCLAIMER OF LIABILITY

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.

SPS Envirowall Ltd nor any other subsidiary of the Benx Group will be held accountable for any damage resulting from handling or from contact with the above product. This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.



SPS ENVIROWALL PROMOTES THE RE-USE (mixingtub/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.

