

Product: Envirobase Basecoat	Product Code: ESPS EBA
Issue Date: 27 June 2016	Authorised By: Mitch Gee
Product Technical Data: EO103/40	

DESCRIPTION:

Envirobase Basecoat is a pre-mixed ready to use material with the addition of clean water being the only requirement. A cement based ultra- high performance base coat designed to meet the ETAG 004 requirements as an EWI base coat, using blended high performance polymer technology for excellent adhesion strength and hydrophobic properties, chemical additives also control rehydration and workability.

Our ultra- high polymer basecoat which can also be used as part of an anti-crack thin coat render system, is suitable for use onto cementitious render carrier board and also as part of the reinforcing layer of an external wall insulation system and masonry applications.

FEATURES:

- Highly Flexible
- Excellent Adhesion
- Polymer Modified
- Factory Produced / Quality Controlled
- Vapour Permeable
- Eco Friendly

Suitable for Internal & External Use
Suitable for Hand application

COLOUR

Grey.

TYPICAL SUBSTRATE

Insulation (Mineral Wool, Phenolic, EPS, ICF)
Render Carrier Board
Brick or Block Work

PLEASE NOTE

DO NOT apply if frost is forecast within 24 hours, in wet conditions, in temperatures below 5°C or above 30°C, to elevations in direct sunlight or to substrates that are hot. Never add water or fresh powder to an Envirobase Base Coat mix which has already started to set.

PREPARATION

All surfaces must be sound, clean, dry and free of 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. Poorly keyed surfaces or substrates of uneven or high suction should be prepared with primer. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads & expansion joints should be included as required by the substrate and carried through all applied materials. Suitable specification clauses, including specifications for difficult or mixed substrates are available from our technical department.

PRIMING

Highly porous substrates must be primed with a primer.

MIXING

Envirobase Base Coat should be mixed with clean water at a rate of approximately 6-6,5 litres per 25kg bag using a suitable drill with whisk attachment, mix for 5 minutes, allow standing for 5 minutes then re-mix. This process allows the chemical additive to dissolve and activate. Note: Envirobase Base Coat may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.



APPLICATION

Please refer to project technical specification for exact product thicknesses.

To avoid dampness and discoloration rendering should be avoided below DPC or within 150mm of ground level.

Base Coat (Insulation & Render Carrier Boards)

Coat the insulation boards or render carrier board with the Envirobase Base Coat to a thickness of approx 4-6mm using a stainless steel float, then use a notched trowel vertically - this will prepare the mortar to receive the reinforcing mesh. Bed in the mesh using a stainless steel float and ensure that the joints overlap by 100mm. Once the initial set has taken up apply a second layer of Envirobase Base Coat to produce a sandwich between the mesh and the second coat approximately 6mm in total. Sponge finish to achieve a flat surface ready to receive a Silicone or Acrylic textured finish.

Base Coat (Brick or Block Work)

Envirobase Base Coat should be applied in a two operation to build up to a thickness of 4-6mm using a hawk and trowel or suitable spray equipment. Product can be finished as required, for a plain finish rub up in a normal way as the render starts to pick up ready to receive a Silicone or Acrylic textured finish. To prepare to receive a Dash Receiver or Monocouche scratch key the base coat with a comb to provide a suitable key.

Note: To provide the highest resistance to cracking we would always recommend the incorporation of reinforcing mesh. SPS Envirowall recommend alkali resistant reinforcing mesh.

Specification Clauses relating to this product can be found in NBS Section NBS M21 should be followed for EW1 applications.

Specification Clauses relating to this product can be found in NBS Section M20 Rendering. BS 5265 Code of Practice for External Rendering and BS 8000-10 should be followed for render only applications.

COVERAGE

For base coat with embedment with reinforcing mesh on EW1 system and render carrier boards 3,9 – 5,5 kg / m²

Note: These estimates take no account of wastage and may vary according to the type of surface involved.

An allowance must be made for uneven and misaligned substrates when ordering materials.

TECHNICAL DATA

Conformity: Conforms to the requirements of ETAG 004

Adhesive strength on concrete: >0,25 N/mm²

Adhesive strength on EPS: >0,08 N/mm²

Application temperature: 5°C to 25°C

Service temperature range: -20°C to +80°C

Mixing ratio: 6-6,5 litres of water to 25kg powder

Open time: 20 minutes at 20°C

Set time: 24-72 hours at 20°C

Shelf life: 12 months in cool dry area

Sizes: 25kg



PACKAGING & STORAGE

Envirobase Base Coat 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.

CLEANING

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

HEALTH & SAFETY INSTRUCTIONS

- Contains Portland Cement.
- Irritating to skin.
- Risk of serious damage to eyes.
- Keep out of reach of children.
- Avoid contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
- Wear suitable gloves and eye/face protection.
- If swallowed, seek medical advice immediately and show this container or label.

For further information, please request the material safety data sheet for this product.

QUALITY CONTROL

All SPSEnvirowall products are factory blended, tested and packaged to quality control procedure in accordance with BS EN ISO 9001 series. **Material** Consists of standardised mineral binders, granulated aggregates and proven additives.

