

Specialized Slab Edge Insulation System

Pre-Plastered EPS/XPS

1. Introduction

This specification is for the application of Specialized Construction Products Slab Edge Insulation System. The Slab Edge Insulation System is made up of Pre-Plastered Expanded Polystyrene (EPS) or Pre-Plastered Extruded Polystyrene (XPS) sheets adhesively fixed with Specialized Fine Mesh coat over concrete foundation.

The chosen backing substrate is then painted with Dulux Acratex 955 Acrashield Advance acrylic paint system.

2. Health & Safety

Avoid contact with eyes and prolonged contact with skin. Wash thoroughly after handling all wet or dry material. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. The potential irritant nature of cement dust (in dry powder form or from subsequent cutting of the hardened product) is recognised. Paper dust masks or a respirator must be worn at all times when the product is being mixed. Be sure to provide adequate ventilation when working in enclosed areas. The wet compound is alkaline and prolonged skin contact should be avoided. People with sensitive skin must wear rubber gloves when handling the product. Materials Safety Data Sheets are available on request.

3. Pre-Plastering Requirements

The masonry substrate must be installed in strict accordance with the manufacturer's specifications and recommended installation procedures. The manufacturers required curing time must be allowed after placement of the blocks to ensure all the pointing has completely cured and the walls have stabilised. The finished appearance of the wall is highly dependent on the standard of the wall construction.

All loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired prior to being primed. All surface imperfections such as blowholes, cracks and spalling must all be patched and levelled to required tolerances and smoothness with Specialized plaster materials before the Pre-Plastered EPS or Pre-Plastered XPS substrate is applied.

SCP Slab Edge Insulation System's job is to provide a means of thermal insulation and an aesthetically pleasing finish to the exterior envelope of concrete foundations.

4. Surface Preparation

All nibs, protrusions, and excess mortar on the surface of the blocks or irregularities in the slab must be ground off prior to plastering.

All surfaces to receive an application of EPS or XPS must be clean and free of debris, dirt and dust, efflorescence, grease, oils, curing agents, cleaning solutions, mould and algae or any other contaminants that may affect adhesion. Painted or glossy surfaces must be specially treated prior

to the application of the Pre-Plastered EPS or Pre-Plastered XPS material, please refer to Specialized Construction Products for specialist advice before you proceed.

5. EPS or XPS Application

Prior to the application of Slab Edge Insulation System, the masonry surface must be coated with Specialized Tankit.

To bond the Pre-Plastered EPS or Pre-Plastered XPS to the concrete foundation mix up Specialized Construction Products fine mesh coat plaster with the addition of 1 litre of Specialized Construction Products resin per bag. Cut the polystyrene to size and check the fit, if required rasp the back of the sheet to ensure a straight edge across the front face. Apply the fine mesh coat plaster to the back of the sheet with a grooved trowel. Bed each sheet/shape back against the wall, keeping a check that the sheets/shapes are flat by using a straight edge across their face. To ensure no thermal bridges are formed keep all the edges closely butted and clear of adhesive plaster.

6. PAINT - Dulux Acratex 955 Acrashield Advance

Dulux Acratex 955 Acrashield Advance acrylic-based paint that has been specially formulated for use over cement and acrylic plasters.

Cement finishes must be coated with Acratex 501/10 Green Render Sealer followed by 2 coats of Dulux Acratex 955 Acrashield Advance tinted to the selected colour and applied by brush and roller at a spread rate of approximately 6m².

Other paint systems are not covered by this specification sheet and Specialized Construction Products will not warrant the use or suitability of alternative paint systems over the surface of its plaster finishes.

On-site application is beyond the control of Specialized Construction Products. Therefore, it cannot guarantee workmanship, supervision, aesthetic quality or the correct preparation and application of its products or the substrates to which its products may be applied.

7. Cleaning

Cleaning may be accomplished with water immediately after use. Clean the whisk and the bucket between mixes and discard the cleaning water. Remove splatter or spills with water before the material sets.

8. Pre-Plastered EPS/XPS Storage

This product must be stored in a dry area, off the floor on a timber pallet or timber dunnage and it must be protected from the weather and from mechanical damage.

9. Limitations

DO NOT apply any plaster materials when the ambient or surface temperature is below 4°C or above 30°C or will be in that range for the 24-hour period after application. When hot, dry, or windy conditions exist, moist curing and protection must be provided. Material that is allowed to freeze or material that dries too quickly may suffer irreparable damage.

DO NOT add any other materials to the plasters used in this system or deviate from the mixing or application procedures outlined in any of Specialized Construction Product's technical data sheets without written approval from Specialized Constructions Products.

DO NOT apply any plaster material unless the substrate has been properly cleaned and prepared. See Surface Preparation above.

DO NOT add any more water than prescribed by the technical data sheet for this product.

DO NOT wet the wall prior to the application of this material.

DO NOT reactivate any plaster with more water once it has begun to set.

DO NOT mix more plaster than you can use in 45 minutes.

NOTE: Failure to follow the manufacturers written specifications could result in the following but not limited to spalling, cracking, peeling, chipping, delamination, discolouration, wash off, and overall system failure.

10. Maintenance

The Slab Edge Insulation System should be cleaned, at least annually, by washing with clean water to remove dirt and to maintain the finish appearance. Grime may be removed with warm water and detergent. Plastered walls should be recoated with Dulux Acratex 955 Acrashield Advance paint system at 5 to 8 yearly intervals or sooner if required to maintain watertightness.

Regular checks, at least annually, must be made of the system to ensure that the weather resistant surface coating is maintained, and that the sealant, flashings, and other joints continue to perform their function and do not allow water to penetrate. Failure to correctly maintain the system may void any long-term warranties offered with the system. Any accidental damage to the cladding must be repaired immediately using Specialized Construction Products materials.

11. Warranty

The recommendations, suggestions, statements, and technical data provided by Specialized Construction Products are based on the best current knowledge available and are given for information purposes only without any responsibility for their use. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be the replacement of defective products, and under no circumstance, shall Specialized Construction Products be liable for incidental or consequential damages. Specialized Construction Products neither assumes, nor authorizes, any others to assume for it any liability with respect to furnishing of the product. Handling and use of the products are beyond the control of Specialized Construction Products,

therefore, no warranty is made, expressed or implied, as to the results or on-site quality that can be obtained from the use of the product.

Specialized Construction Products guarantees this product is free from manufacturing defects and will perform to its specification for 10 years from the date of application if application occurs within the products stated shelf life.

Material Guarantee Period

10 years from date of practical completion to plastering.

Workmanship Guarantee Period

5 years from date of practical completion to plastering.

Technical Assistance

Assistance and information are available by calling Specialized Construction Products on (09) 414 4499 or 0800 800 79 or by e-mail at info@specialized.co.nz.