

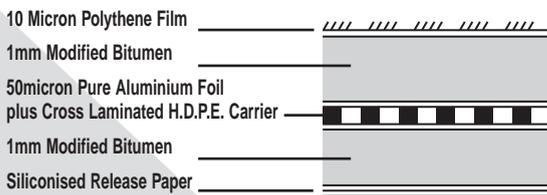
Alderprufe MR50

Introduction

Alderprufe MR50 self adhesive waterproofing membrane is intended for use in concrete, brickwork and blockwork construction, both internally and externally, to protect buildings against water and the ingress of methane, carbon dioxide and radon gases from the ground.

Description

ALDERPRUFE MR50 Membrane Structure



Alderprufe MR50 high performance gas resistant membrane is derived from the well established Alderprufe 2000sa structural waterproofing membrane. Resistance to gas permeation is achieved by incorporating a 50micron thick pure aluminium foil between two 1 mm layers of modified bitumen. The upper surface is protected by a thin polythene film and the lower surface by a siliconised release paper.

Benefits

Alderprufe MR50 offers the ease of application of a self adhesive membrane with total gas resistance by the aluminium foil. It provides economic protection in a single application without the need for taping strips at overlaps. The modified bitumen layers provide the aluminium core with complete protection from alkali attack from the over site concrete or screed. In addition the option of heat sealed laps gives even greater security.

Installation

Alderprufe MR50 should generally be installed in accordance with the recommendations of CP102: 1973, Code of Practice for the Protection of Buildings against water from the ground. However the membrane should be used on a construction providing ventilation under the supporting structure.

All surfaces should be smooth, clean and dry. Loosely adhering material or sharp protrusions should be removed by mechanical means. Brickwork must be skimmed with sand /cement



to provide an even surface. Concrete and render should be completely cured, dry and dust free. All areas must be primed with Alderprufe SA Primer at a rate of approximately 4-6m² per litre prior to the application of Alderprufe MR50 and allowed to dry. Only prime sufficient

to be covered with membrane in the same working day. Cut the membrane to the appropriate length, remove about 200mm of release sheet and bond the membrane firmly to the substrate. Remove the release sheet progressively pressing the membrane onto the primed surface. To prevent air being trapped, pressure must be applied from the centre. All side and end laps to be 100mm and rolled to ensure a complete seal. For total security, laps may be heat sealed by lightly heating the upper surface of the laid sheet at overlaps to a width of 100mm to expose the bitumen before applying the next sheet. This provides for a complete homogenous welded joint. Angles and corners should be provided with a suitable fillet and reinforced with a 300mm wide strip of Alderprufe MR50 equidistant across the directional change.

Limitations

Alderprufe MR50 must not be applied when the surface temperatures fall below 5°C. Only sufficient membrane should be laid as can be adequately protected as work proceeds.

Storage

Alderprufe MR50 must be stored in dry conditions under cover at a minimum temperature of 5°C and a maximum of 30°C. Rolls must be stored on their sides, stacked no more than 5 high. When stored as described above the shelf life of the membrane is 12 months.

Health & Safety

Alderprufe MR50 poses no hazard under normal working conditions. No specific handling precautions are required. Remove bitumen adhering to the skin, from contact with the self adhesive coating, with a propriety skin cleanser and warm water. The membrane is combustible at high temperatures. When burning it releases black smoke.