

Alderprufe Membrane 30K

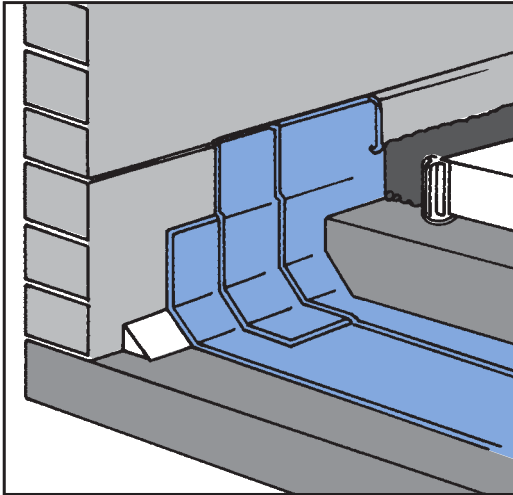
3mm thickness

High elasticity

Heavy duty water retaining applications

Waterproofing for roof gardens and podiums

5 ply sandwich construction



Description

Alderprufe 30K consists of a central polyester core coated on both sides with 1.5mm of modified bitumen which is, in turn, protected by a thin plastic film.

Uses

Alderprufe 30K is intended for use as a horizontal loose laid damp proof membrane generally welded to the substrate only at the perimeter. All overlaps are torch welded to provide an integral waterproof barrier. It is recommended for use in conjunction with other Alderprufe products in sub-ground tanking applications and also for use in waterproofing floors, podiums, roof gardens and swimming pools.

Technical Data

Bitumen thickness	4mm
Polyester central core	0.09mm
Elongation at break	in excess of 300%
Roll width	1000mm
Roll length	8 metres
Roll weight	36kg
Overlap	100mm
Water Penetration/Joint	Nil %

Puncture Resistance: 125 (max Load [NI]) ASTM E154.

Surface Preparation

All surfaces should be smooth, clean and dry. Loosely adhering material or sharp protrusions should be removed by mechanical means. Vertical brickwork must be skimmed with sand/cement to provide an even surface. Concrete and renders should be completely cured and dry.

Priming

When loose laying only those areas to which Alderprufe 30K is to be torch welded must be primed as below.

Application

Overlaps. All overlaps must be 100mm. All angles and corners should be provided with a suitable fillet or splay and reinforced by torch welding a 300mm reinforcing strip equip-distant across the previously primed area and apply pre-formed details in corners. When the angles have been reinforced as above, the horizontal membrane should be laid as follows:

HORIZONTAL APPLICATION

- (i) Unroll the Alderprufe 30K. Set out first roll as required. End and side laps to be torch welded to reinforcing strip and carried up to the top of the fillet.
- (ii) subsequent rolls should be set out with staggered end laps. Each roll should be rolled back half way, then rolled forward, torch welding the overlap. Then repeat for second half of the roll.



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- (iii) As work proceeds each free end of the roll should be torched to the substrate.
- (iv) The vertical surfaces should then be covered with Alderprufe 30K to a height of 200mm above the intended screed level ensuring that the membrane is fully torch welded to the primed surface. The membrane should overlap the horizontal membrane by at least 100mm. Again all overlapping joints should be torch welded and 100mm wide.
- (v) When the vertical areas have been so covered a protective sand/cement or concrete screed should be laid, after which work on the vertical faces using Alderprufe 20K can commence as described in the data sheet.
Note: Where all overlaps are formed Alderprufe 30K should be torched to remove the outer plastic film before applying the Alderprufe20K.

Durability

Alderprufe 30K, when fully protected and subjected to normal service conditions, will

provide an effective barrier to the transmission of water and water vapour for the lifetime of the structure in which they are incorporated. Properly applied, these membranes achieve archive status in accordance with BS 8102.

Precautions

Alderprufe bitumen membranes and Tac Primer must not be applied where surface temperature of substrate falls below 5°C. Only sufficient Alderprufe membrane should be laid that can be protected as work proceeds. Great care should be taken during torch welding not to damage the membrane by over-torching.

Health and Safety

A separate Health & Safety Data sheet is available upon request.

Specification

Waterproofing membrane shall be Alderprufe 30K. Fixed strictly in accordance with manufacturers instructions as supplied. Alderburgh Ltd., Sladen Mill, Halifax Rd. Littleborough. 01706 374416.

Factory Formed Details

The use of factory formed details is always recommended in line with good building practice. If the puncture of the membrane system by service entries or steelworks cannot be avoided, these areas should be sealed with propriety factory formed units specified by name in the bill pages.

Features:

- Factory formed for security
- Guaranteed Waterproof
- Ease of application
- Completely compatible with all membranes
- No risk in application
- Avoids relying on skilled applicator
- Electronically tested welded joints
- Massive labour savings in application

