

INSTALLATION GUIDE

The effective vapour barrier

1 Installation

1.1 General substrate requirements

APPLICATIONS		ALUDEX [®] MAX	Initial C350 Primer	Initial C350 Primer PERCENTAGE OF AREA/ CONSUMPTION
Information on surface bonding*	Metallic materials • galvanised or un-coated substrates • Plastic-coated substrates	yes yes	yes no	50 % / 100 g/m ² -
	Engineered wood	yes	yes	50 % / 100 g/m ²
	Concrete materials without decking	yes**	yes	50 % / 100 g/m ²
	Bitumen materials	yes	yes	50 % / 100 g/m ²

* For loose laid roof specifications using mechanical fixings with insulation, priming the roof area is only required if the substrate is dusty and/or if the insulation is not being installed immediately after the Aludex Max vapour barrier is installed.

** On dry, smooth and clean concrete materials only mechanical damage or perforations must be avoided.

The substrate must be dry, smooth, and free from dust and grease.

1.2 Important installation instructions

- Unroll
- Align
- Overlap of 50 mm
- Remove the release film
- Evenly press down on the surface, e.g. with a brush.
- Press on the seam evenly with a silicone roller
- On sectioned trapezoidal sheets, the longitudinal seam must be aligned with the upper corrugation.
- If there are transverse joints on trapezoidal profiles, an ALUDEX[®]MAX or metal strip must be positioned underneath to ensure problem free installation.
- In the case of a T-joint, a corner cut must be made on the middle, covered membrane edge (see illustration under point 2.).



1.3 Creating vertical connections

- All of the vertical surfaces must be fully primed.
- Material or strip bonding of the details must be pressed on with the silicone roller.
- Separate strips are used to guide connections and terminations up to the upper edge of the insulating layer and roof penetration.

1.4 General installation instructions

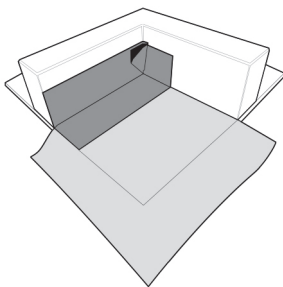
- In accordance with the applicable technical regulations, temporary waterproofing with ALUDEX[®]MAX is not permitted. As a result, the vapour barrier membranes should be laid as immediately before the installation of follow-on layers as possible. Where there are unavoidable interruptions to work, the vapour barrier membranes can be left exposed to the elements for a maximum of 5 weeks. Under these conditions and at ambient temperatures below 10°C, all bonded seams need to be warmed from above with hot air (e.g. a hot air hand-held welding device) before being rolled out. The following parameters must be taken into account: welding device approx. 300 °C at approx. 5 m/min.
- Bonded structures on the ALUDEX[®]MAX vapour barrier membranes must be designed with conventional PU insulating adhesives. The relevant manufacturer's instructions must be complied with.

1.5 Notes on storing ALUDEX[®]MAX

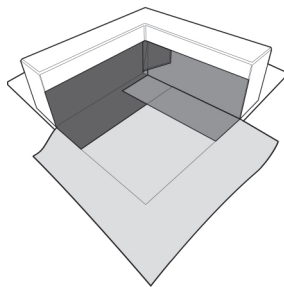
In their original packaged condition, these products can be stored for 12 months. The material must be stored upright in a cool, dry place. Protection from direct sunlight should be provided using the grey protective film or a light-reflective membrane. When working in strong sunlight in particular, make sure that rolls taken from the pallet are processed immediately and any rolls left over on the pallet are protected as described above.

2 Illustration of detailed versions

2.1 Creating internal corners

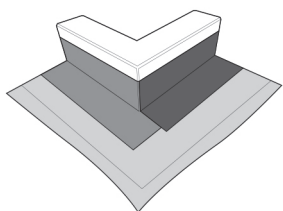
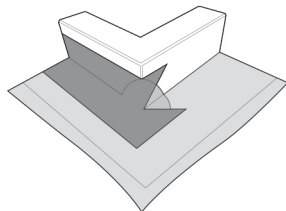
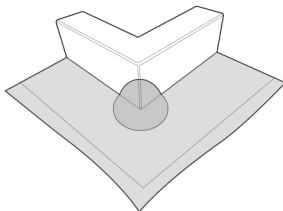


The first flashing strip must be laid with an inverted pleat.



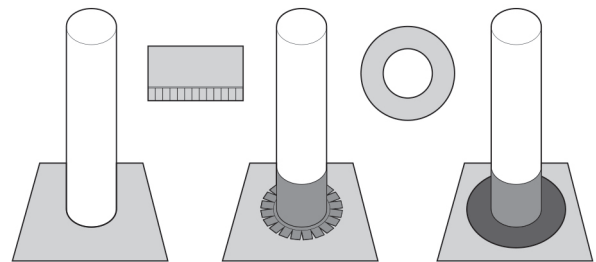
Guide the second flashing strips to the corner and stick the inverted pleat onto the flashing strips.

2.2 Formation of external corners



Bond the circle segment to the corner. Extend the first flashing strips over the corner, trim them and fold them over. Guide the second flashing strips to the corner.

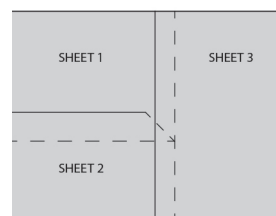
2.3 Pipe edging



Cut flashing strips at regular intervals of approx. 30 mm and guide them around the pipe.

Slip a ring segment over the pipe and bond it to the substrate.

2.4 T-joint formation



The second membrane must be given a corner cut.

Please follow the general installation instructions when performing the individual detailing work illustrated below.