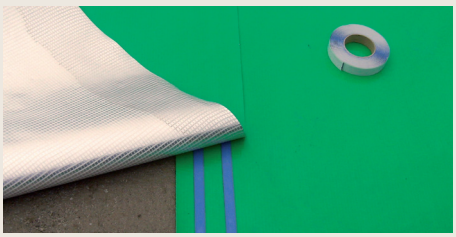
Sisalex® 871

Radon barrier

- Very resistant to tearing and stress, secure against leaks
- Alkali resistant and UV-protected
- Robust and keeps its shape, but easy to form and handle
- Flexible and formable

Sisalex® 871



Roll dimensions
Length: 50 m / Width: 2 m / Area: 100 m²

Pallet content
25 rolls = 2'500 m²

Technical data:	
s_D-value	>1'100 m
Methane permeability	<0,01 ml/(m² x 24 h)
Radon permeability	2,3 x 10^{-12} m^2s^{-1}
Radon penetration level	7,2 x 10^{-9} ms^{-1}
Weight	363 g/m²
Tear resistance	>500 N/5 cm
Tear elongation	48%
Nail-tear resistance	160 N
Processing temperature	+5 bis + 50 °C
Thickness	0,4 mm

Multilayer composite material made from two layers of PE film with an inserted polyester fibre mesh and an aluminium layer with a thickness of 0.02 mm.

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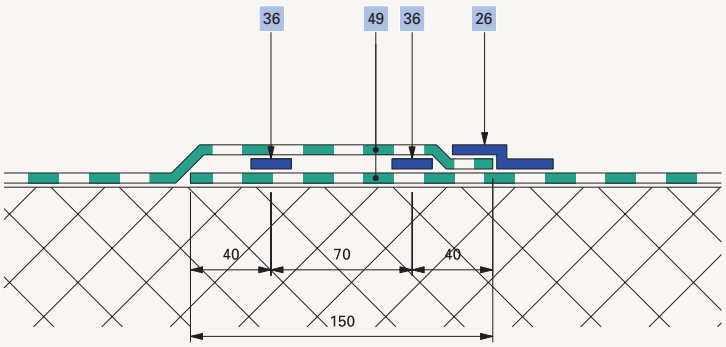
Jahre Garantie*
Ans Garantie
Anni Garanzia
Years Warranty

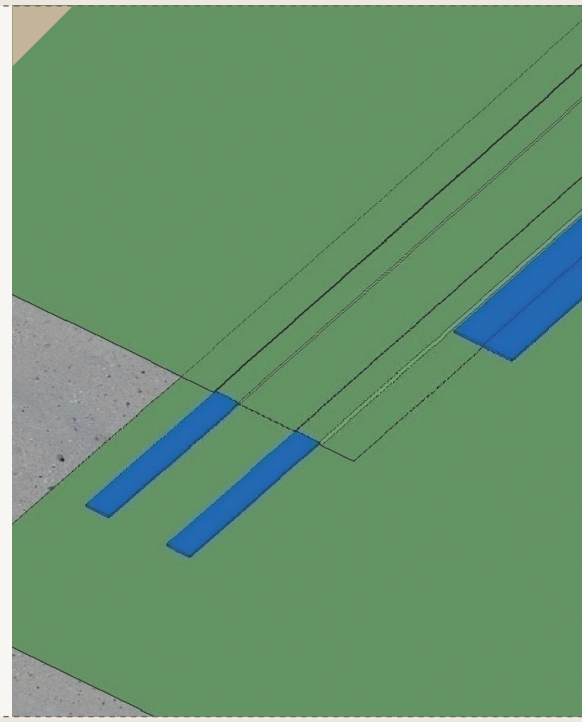
* Security is part of the system at Ampack. We cover the cost of removal and replacement, and consequential damage, as well as the replacement materials.

ISO 9001:2008
Swiss Research

Double adhesion with butyl and additional protection with adhesive tape

26	Adhesive tape **Ampacoll® AT,** 50 mm
36	Adhesive tape **Ampacoll® BK 530,** 20 mm
49	Radon barrier **Sisalex® 871**





General information

The gas barrier is used to prevent gaseous emissions that occur naturally in the soil (radon gas, methane, carbon dioxide and other harmful gases) or existing environmental pollution (landfill) in contaminated soil penetrating from the foundation or basement ceiling of the building into the living area, thereby protecting the occupants.

Installation instructions

Plane laying:

- on clean layer (fine grade, lean concrete bed) between strip foundations
- on clean layer below the floor slab (clean layer at least 5 cm)
- directly onto the floor slab
- within the structure of the basement ceiling (concrete, Hourdis ceilings, beamed ceiling)

Lay the dark green side (weathering side) facing up, and the PE or aluminium side against the surface. The joints should overlap by 15 cm and must be kept dry and free of dust and dirt for gluing. The same rules apply to the gas-tight laying of a vapour barrier: double-sided butyl tape for butt joints (sealing function) and application of acryl adhesive tape across the top (mechanical fixation). Edges at walls, pillars and penetrations should be 15 cm high and must to be sealed. Surfaces must be cleaned and any sharp, pointed areas and objects or any mortar remnants are to be removed in advance. Holes and offsets in the surface must be levelled out. The vapour barrier must be protected immediately after installation by applying the additional structural layers (concrete slab, insulation, underlay). When installing these layers, pay particular attention to ensuring that the vapour barrier is not stretched or shifted, and that no tears occur in the area of penetration. All tears are to be sealed. Double adhesion (sealing function and additional mechanical fixation) is necessary in order to achieve a gas-tight seal.

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This paper can become invalid if new knowledge is acquired or new developments are made.
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