

# Sisalex® 871

Radon barrier



- > Membrane, bonded overlap and penetrations tested for radon tightness
- > Protection against radon gas, methane and humidity
- > Extremely stable and tear-resistant
- > Alkali-resistant

Technical details		Value
s <sub>d</sub> Value		> 1500m
Weight		350g/m <sup>2</sup>
Fire performance		E
Tear resistance	longitudinal   transverse	360N/5 cm   375N/5 cm
Resistance to further tearing (nail shaft)	longitudinal   transverse	> 280N   > 280N
Width of overlap		15cm
Methane permeability		4,3 × 10 <sup>-14</sup> kg m/s
Radon coefficient		1,4 × 10 <sup>-13</sup> m <sup>2</sup> /s

10  
Year  
Guarantee

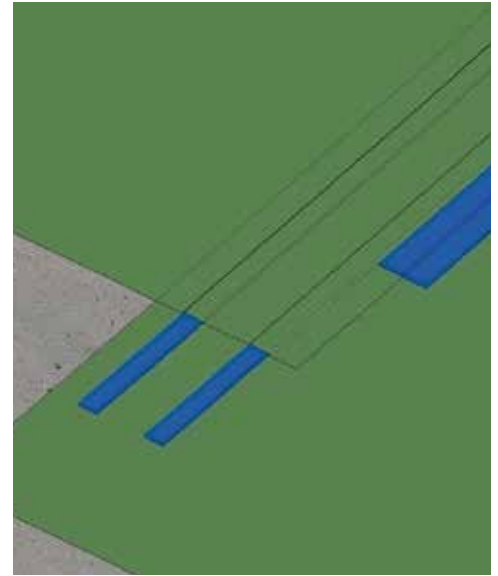
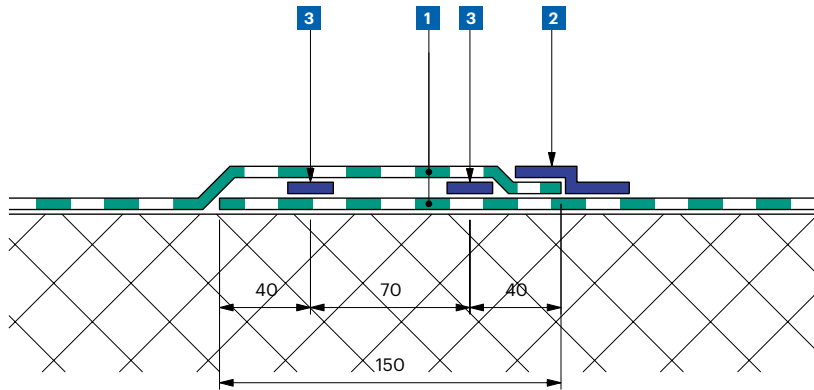
 **ISO 9001**  
Swiss Research

**Area of application:** 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.

Delivery forms			
Item no.	Identification	Roll size	Pallet details
7640115531001	Sisalex® 871	2,0m × 50m = 100m <sup>2</sup>	25 rolls = 2500lfm

## Double adhesion with butyl and additional protection with adhesive tape

- 1 Radon barrier **Sisalex® 871**
- 2 Adhesive tape **Ampacoll®XT**
- 3 Adhesive tape **Ampacoll® BK 530, 20 mm**



## 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 ensu-

ring 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.



Please observe the recommendations for use and further system products in our adhesives matrix



Further information and detailed documentation at [www.ampack.biz](http://www.ampack.biz)

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