

# SKILLFLEX RN ANTI RADON MEMBRANE

Elastomeric polymer bitumen membrane (SBS)



## THE NORD BITUMI SOLUTION AGAINST RADIOACTIVE GAS

### RESISTANCE TO THE PASSAGE OF RADON GAS

Radon is a natural radioactive gas, produced by radioactive decay of materials such as uranium, thorium and actinium. Radon 220 is one of the decaying elements; it decays for the most part in the environment in which it is present, producing radioactive metal isotopes which penetrate into the respiratory tract, irradiating it.

Radon is odourless, colourless and has been found in many homes in many regions of Italy, particularly in Lombardy, Veneto and Lazio. It comes from underground and is concentrated especially in basements.

A good protection system is represented by laying a sealing membrane to prevent the passage of the gas. The solution offered by Nord Bitumi to protect your home from Radon is Skillflex RN 4 mm, an elastomeric polymer bitumen membrane, reinforced with a metal foil, coupled with a rot-proof fibreglass mat. Continuity of the Radon barrier is accurately achieved by carefully bonding the membrane overlaps by flame.

### WHEN TO INTERVENE

Italian law (Law decree no. 241 of 26/05/00) has established a threshold for exposure to Radon in workplaces of 500 Bq/m<sup>3</sup>.

There is no specific law for housing, but an EU recommendation (Recommendation 90/143 CEC) indicates the values beyond which remedial actions should be undertaken: 400 Bq/m<sup>3</sup> for existing houses, 200 Bq/m<sup>3</sup> for new buildings.

### PROTECT YOUR HOME FROM RADON

Skillflex Rn 4 mm bitumen elastomer is a polymer membrane made for protecting buildings from radioactive gas.

It is reinforced with a metal foil, coupled with a rot-proof fibreglass mat, which helps to make it an almost impenetrable Radon barrier.

### USES

Skillflex RN 4 mm is used to cover floors and walls in contact with the ground.

Continuity of the Radon barrier is achieved by carefully bonding the membrane overlaps by flame. On damp ground or in the presence of aquifers, Skillflex constitutes the first layer of a sealing element formed by two layers of polymer bitumen membrane.

### CERTIFICATIONS

The ability of Skillflex RN 4 mm of almost totally blocking the passage of Radon is guaranteed by CSI certificate **no. 054/LCF/EDI/03** of 18/06/03 that indicates a permeability to gas lower than 0.1 cm<sup>3</sup>/m<sup>2</sup>·24h·atm.

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## ADVANTAGES

- ✓ It almost totally blocks the passage of radon

**Reinforcement:** Aluminium foil

**Compound:** Elastomeric polymer bitumen (SBS)

**Upper finish:** PP Film

**Lower finish:** PE Film

**Intended use:** Underlayer / Heavy duty protection underlayer / Foundations

**Application method:** Blowtorch

## TECHNICAL SPECIFICATIONS

CHARACTERISTICS	TESTING METHOD	M.U.	TOLERANCE	VALUE
Thickness	EN 1849-1	mm	MDV - 0.2 mm	4
Maximum tensile strength (L/T)	EN 12311-1	N/50 mm	MDV - 20%	150/150
Flexibility at low temperature	EN 1109	°C	MLV	- 15
Creep	EN 1296/1110	°C	MDV - 10°C	100

## PACKAGING

PRODUCT	ROLL SIZE	WEIGHT KG/M <sup>2</sup>	THICKNESS MM	SQUARE METRES PER PALLET	EN STANDARDS
Skillflex RN	10 m x 1 m	-	4	200	13707 13969

Please refer to the technical data sheet for more information, constant research in the field may result in changes to data content without the producer being obliged to inform all interested parties