

# NORTEC II

**NORTEC II** is a flexible roof underlayment used as indicated in DTU 40.1 and DTU 40.2 to protect attics against penetration risks of powdery snow and dust.

## User application

**NORTEC II** is laid as roof underlayment:

- maximal support center distance of 60 cm.
- stretched laying ventilated on both sides.

## Composition

	<b>NORTEC II</b>
Density	105 ± 6 g/m <sup>2</sup>
Reinforcement	Polyethylene HD 30 g/m <sup>2</sup>
Binder	Polyethylene LD 45 g/m <sup>2</sup>
Underside	Non-woven black polypropylene 30 g/m <sup>2</sup>

## Packaging

	<b>NORTEC II</b>
Dimensions of the roll : Length Width	≥ 50 m 1,50 ± 0,02 m
Weight of the roll	about 7,9 kg
Colour	Grey topside Grey underside
Marking	Each package bearing the CE marking
Packaging	60 rolls lying down per pallet
Storage	On flat support, away from weather Any changes in color of the foam does not affect product performance
<small>Roll lengths are given with a tolerance of &lt; 1 %. Width of roll is given with a tolerance of 1% (UEAtc). Rolls must be stored upright on flat ground. During storage, protect the rolls against moisture. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.</small>	

## Characteristics - CE marking

**NORTEC II** is a roof underlayment and complies with EN 13859-1.

Essential characteristics	Performances	Harmonised Technical Specification
Reaction to fire	<b>F</b>	<b>EN 13859-1 : 2010</b>
Resistance to water penetration	<b>W1</b>	
Tensile properties :		
Tensile strength		
- Longitudinal	<b>300 ± 50 N/50 mm</b>	
- Transversal	<b>220 ± 50 N/50 mm</b>	
Elongation		
- Longitudinal	<b>21 [-10 ; +30] %</b>	
- Transversal	<b>32 [-10 ; +30] %</b>	
Resistance to tearing (Nail shank)		
- Longitudinal	<b>160 [-20 ; +50] N</b>	
- Transversal	<b>160 [-20 ; +50] N</b>	
Flexibility at low temperature (Pliability)	<b>NPD</b>	
Artificial ageing behavior :		
Resistance to water penetration		
Tensile strength	<b>W1</b>	
- Longitudinal	<b>280 ± 50 N/50 mm</b>	
- Transversal	<b>200 ± 50 N/50 mm</b>	
Elongation		
- Longitudinal	<b>20 [-10 ; +30] %</b>	
- Transversal	<b>30 [-10 ; +30] %</b>	

## Installation

**NORTEC II** is laid in compliance with standards and DTU in force.

**NORTEC II** is unrolled, parallel to the gutter line with 10 cm overlapping and 10 cm extension beyond the edge line. Sheets are nailed or stapled to the rafters. Battens or counter-battens are fastened above. It is necessary to have an air inlet at the bottom and an air outlet on the top by leaving 10 cm non-covered between the last sheet and the ridge.

### Laying with counter-batten:

**NORTEC II** is stretched on rafters. A counter-batten heightens the support of battens and increases the ventilation of the roof.

When a thermal insulation is used, a double air space (2 cm mini.) must be made above and below **NORTEC II**.

## Special indications

### Hygiene, health and environment:

The product does not contain any substance likely to be detrimental to health or to environment and complies with generally admitted Health and Safety Requirements. For further information, please refer to relevant Safety Data Sheet.

### Quality control:

**SOPREMA** has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the Quality and Environment certified **ISO 9001** and **ISO 14001**.