

STRATEC REFLEX

STRATEC REFLEX is a versatile synthetic roof underlayer, HPV type (High Permeability to water Vapour) with a high resistance to tearing. It can be laid, either in the traditional way, either on continuous substrate. Due to its characteristics, **STRATEC REFLEX** can be laid directly onto the insulation. Its reflective side increases summer comfort.

STRATEC REFLEX holds the Roofing certification n° **11-058**.

STRATEC REFLEX can also be used as rain barrier.

User application

STRATEC REFLEX is used as indicated in the DTU 40.1 and 40.2 to protect roofs with discontinuous elements (60 cm maximal centres) against the penetration risks of powdery snow, dust, soot or pollen.

STRATEC REFLEX helps temporary the building to be kept weathertight but must not exceed 8 days. Its high permeability to water vapour avoids condensation on the underside and protects elements of the bearing structure.

STRATEC REFLEX is especially suitable to be laid under photovoltaic panels and solar panels requiring a certified roof underlayment.

STRATEC REFLEX is appropriate as rainscreen for timber frame houses, in compliance with standards NF P 21-204-1 (DTU 31.2 – “timber frame houses and buildings”) and NF P 65-210-1 (DTU 41.2 – “Exterior wooden cladding”).

Composition

	STRATEC REFLEX
Density	150 ± 10 g/m ²
Nominal thickness	0,50 mm
Topside	Reflective non-woven polypropylene film
Intermediate membrane	Breathable polypropylene membrane
Underside	Non-woven polypropylene film

**SOPREMA**

Roofing material solutions

TECHNICAL DATA SHEET

n° PROFR001/2/a cancels and replaces N° DTE 12-055_EN CE



Packaging

	STRATEC REFLEX
Dimensions of the roll :	
- Length	≥ 50 m
- Width	1,50 ± 0,02 m
Weight of the roll	about 11,3 kg
Colour	Reflective topside Non-slip light grey underside avoiding slippage on rafters during installation
Marking	Each package bearing the CE marking
Packaging	20 rolls lying down per pallet
Storage	On flat support, away from weather Any changes in color of the foam does not affect product performance
Roll lengths are given with a tolerance of < 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.	

Characteristics - CE marking

STRATEC REFLEX is a roof screen and complies with EN 13859-1. It can be used as rainscreen in compliance with standard EN 13859-2.

Essential characteristics	Performances	Harmonised Technical Specification
Reaction to fire	F	EN 13859-1 : 2010 EN 13859-2 : 2010
Resistance to water penetration	W1	
Tensile properties:		
Tensile strength		
- Longitudinal	315 ± 50 N/50 mm	
- Transversal	250 ± 50 N/50 mm	
Elongation		
- Longitudinal	61 [-20 ; +50] %	
- Transversal	66 [-10 ; +50] %	
Resistance to tearing (Nail shank)		
- Longitudinal	255 [-100 ; +30] N	
- Transversal	270 [-90 ; +30] N	
Flexibility at low temperature (Pliability)	-40°C	
Artificial ageing behavior:		
Resistance to water penetration	W1	
Tensile strength		
- Longitudinal	295 ± 50 N/50 mm	
- Transversal	225 ± 50 N/50 mm	
Elongation		
- Longitudinal	45 [-6 ; +50] %	
- Transversal	47 [-7 ; +50] %	
Water vapour transmission properties (Sd)	0,05 [-0,03 ; +0,04] m	EN 13859-2 : 2010
Additional characteristics	Performances	Test method
Dimensional stability	± 1 %	EN 1107-2
Resistance to air penetration at 50 Pa	0,000 m3/(m².h)	EN 12114

Characteristics (outside CE marking)

Emissivity	57 ± 3 %	Report CSTB CPM 08/260-15908
EST Classification	E₁ S_{d1} T_{R2}	Certification n°11-058

SOPREMA SAS with a Capital of 50 000 000 € - Headquarter: 14 rue de Saint-Nazaire – 67100 STRASBOURG – FRANCE Postal address: CS 60121 - 67025 STRASBOURG CEDEX. RCS STRASBOURG: 314 527 557. SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

Tel: + 33 (0) 3 88 79 84 84 – Fax: + 33 (0) 3 88 79 84 85
www.soprema.com - E-mail : export@soprema.com

SOPREMA
GROUP

Installation

STRATEC REFLEX is laid in compliance with standards and DTU in force as well as installation rules for certified flexible roof underlayments (CSTB guidelines n° 3651-2).

- **Traditional laying, stretched on rafters or roof trusses :**

STRATEC REFLEX is nailed with large head spikes or stapled on rafters.

- **Direct laying onto insulation :**

The water vapour permeability (HPV) of **STRATEC REFLEX** allows to be laid directly onto insulation.

- **Laying onto continuous support (batten, CTBH particule boards, CTBX plywood panels, etc) :**

The fastening is made with large head spikes (≥ 10 mm) through **STRATEC REFLEX** on the overlaps.

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**.