

**STICKER 3 MM SAND FOIL CORE VAPOUR BARRIER****Nature of product**

Prefabricated self-adhesive membrane obtained by layered coextrusion of special compounds based on selected bitumen modified with elasto-thermoplastic polymers, and a glass veil reinforcement combined with an aluminum foil, placed in the thickness of the membrane, in complete synergy with the waterproofing mass.

The lower face of the membrane is bonded with the use of special additives that give the bituminous compound specific and persistent adhesive properties, and is protected by a silicone-coated film to be removed at the time of installation. The upper face is finished with a sandblasting treatment.

The STICKER 3 MM SAND FOIL CORE VAPOR BARRIER membrane complies with the requirements for CE marking. It does not contain asbestos, tar, or other dangerous substances.

**Intended use**

The 3 mm STICKER SAND FOIL CORE VAPOR BARRIER membrane is used in the construction of waterproofing systems, particularly on surfaces that are easily combustible or otherwise vulnerable to flame (e.g. in wood, or other heat-sensitive material).

It is specifically designed as a self-adhesive vapor barrier layer, beneath heat-insulating elements in insulated roofing systems.

**Application procedure**

The application methods are a determining factor capable of characterising the performance of the waterproof covering itself. In this regard, remember to carry out careful preparation and cleaning of the substrate followed by the priming treatment with a suitable bituminous primer, with a consumption of  $0.2 \div 0.3$  l/m<sup>2</sup> and in any case variable with the degree of porosity of the substrate itself. First check the compatibility of the primer with the laying surface to be treated. The membrane will be unrolled and positioned on the area to be coated; it will then be folded along its entire length in order to remove the siliconised protective film of the lower side (specially prepared with a longitudinal cut) and pressed onto the laying surface. Repeat the same operations for the remaining half of the roll. Use a suitable pressure roller to promote adhesion. Particular attention must be paid to creation of the lateral joints between the sheets, which must be overlaid along the suitable designed band, and covered with a silicon band to be removed at the appropriate time. The end joints will be created by overlapping 15 cm, taking care to cut at 45° the edges of the carefully pressed sheet. Adhesion of the sheets on the ends will be facilitated by light heating with flaming or hot air of the lower sheet in the area to be overlaid. The vertical overlaps will be created with the similar laying procedure adopted on the horizontal parts. In any case, for correct and detailed documentation, as well as to identify the most effective intervention solutions in all circumstances, we recommend consulting the Technical Services of IMPER ITALIA srl which are in any case available to explore particular problems as well as to provide all the assistance necessary for the best use of these materials.

**Warnings**

Store the rolls in covered and dry places. Remove the roll from the pack only immediately before installation. Apply at temperatures above +10°C; for lower temperatures, facilitate adhesion with hot air or indirect flame. Do not apply in any case at temperatures below + 5°C. For laying surface gradients of more than 15%, or for operating conditions in particularly hot climates, the laying system must be integrated with adequate mechanical fixings.

## TECHNICAL SPECIFICATIONS

Specifications	EN Standards	Unit of Measure	Tolerances <sup>(2)</sup>	STICKER 3 MM SAND FOIL CORE VAPOUR BARRIER
Roll dimensions	1848-1	m	≥	10 x 1 (-1%)
Thickness	1849-1	mm	±5%	3
Finish	-	-	-	silicon film
Watertightness	1928-B	kPa	≥	pass the test
Cold flexibility (lower face)	1109	°C	≤	-25
Flow resistance at elevated temperature (lower face)	1110	°C	≥	90
L/T tensile strength	12311-1	N/5cm	±20%	500 / 400
L/T tensile elongation	12311-1	%	±15	4 / 4
L/T dimensional stability	1107-1	%	≤	NPD <sup>(3)</sup>
Static puncture	12730	kg	≥	NPD <sup>(3)</sup>
Dynamic puncture	12691-B	mm	≥	NPD <sup>(3)</sup>
L/T tear resistance	12310-1	N	±30%	70 / 70
Peel resistance of the joint	12316-1	N/5cm	±20	NPD <sup>(3)</sup>
Shear resistance of the joint <sup>(4)</sup>	12317-1	N/5cm	±20%	NPD <sup>(3)</sup>
<b>Durability after aging:</b>				
Cold flexibility	1296-1109	°C	+15°C	-
Flow resistance at elevated temperature	1296-1110	°C	-10°C	90
• UV Ageing	1297	-	-	NPD <sup>(3)</sup>
• Watertightness	1296-1928	kPa	≥	pass the test
• Chemical resistance				NPD <sup>(3)</sup>
• L/T tensile strength	12311-1	N/5cm	±20%	NPD <sup>(3)</sup>
• L/T tensile elongation	12311-1	%	±15 <sup>(4)</sup>	NPD <sup>(3)</sup>
Steam permeability	1931	μ	≥	1.500.000
Root resistance	LG Aispec		-	NPD <sup>(3)</sup>
External fire behaviour	13501-5	EC <sup>(5)</sup>	-	Proof
Fire reaction	13501-1	EC <sup>(5)</sup>	-	E <sup>(6)</sup>

**Notes:** <sup>(2)</sup> In compliance with the applicable AISPEC-MBP Guidelines.

<sup>(3)</sup> Characteristic not determined because it is not relevant for use.

<sup>(4)</sup> Value declared or break outside the joint

<sup>(5)</sup> Euroclass.

<sup>(6)</sup> Internal Report

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Considerando le diverse situazioni d'impiego dei prodotti e l'intervento di fattori da noi non dipendenti (supporti, condizioni di esercizio, in osservanza delle prescrizioni, ecc.), non è possibile alla IMPER ITALIA srl assumere responsabilità in merito ai risultati ottenuti. Il progresso unito alla costante ricerca dei massimi livelli prestazionali possono apportare - nel tempo - modificazioni alle informazioni contenute in questo stampato, senza che la IMPER ITALIA srl debba darne preavviso a tutti gli interessati.



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