

STICKER



Nature of product

The self-adhesive pre-fabricated waterproofing membranes of the STICKER series are obtained from the layered coextrusion of special compounds based on selected bitumens modified with elastic-thermoplastic polymers, and a non-woven reinforcement of stabilised composite polyester; the reinforcement is placed in the thickness of the membrane, in complete synergy with the waterproofing mass. The lower side of the membranes is adhesivised with the use of special additives that give the bituminous compound specific and persistent adhesive properties, protected by a silicon film to be removed at the time of installation.

The STICKER Series consists of:

- TEXTENE STICKER, thickness 3 mm, treated on the upper side with Textene surface finishing (for the cases of application of the membrane itself as a visible self-adhesive layer, available in colour);
- ARD STICKER, mass per unit area 3.5 and 4 kg/m², with the upper side finished with slate flakes in Natural Grey, Red, Green;

The membranes of the STICKER series have excellent mechanical characteristics and good flexibility at low temperatures (-15°C); they comply with the requirements for CE marking, where applicable. They do not contain asbestos, tar or other dangerous substances.

Intended use

STICKER membranes are designed for the production of self-adhesive multilayer waterproofing systems, allowing considerable savings during installation, in terms of time and gas savings. They are specifically used on surfaces that are easily combustible or otherwise vulnerable to flame risk (in wood, heat-insulating thermal insulation, etc.). In particular, compared to the use on roofs and in foundations, the different versions can be used with reference to the following diagram ⁽¹⁾. For clarification on the systems that can be created, consult the Technical Services of IMPER ITALIA srl.

PRODUCTS	FIELDS OF USE ⁽¹⁾							
	Roofing (EN 13707)						Subtile (EN 13859-1)	Foundations (EN 13969)
	Exposed			Roof gardens	Under heavy-duty protection			
	Single-ply	Multi-ply		Root-resistant	Single-ply	Multi-ply		Multi-ply
Upper		Lower						
STICKER TEXTENE 3 mm			•			•		•
STICKER ARD 3.5 KG	•							
STICKER ARD 4 KG	•							

⁽¹⁾ In compliance with the applicable AISPEC/SITEB-MBP Guidelines.

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 $0.2 \div 0.3 \text{ l/m}^2$ 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 $+10^\circ\text{C}$; for lower temperatures, facilitate adhesion with hot air or indirect flame. Do not apply in any case at temperatures below $+5^\circ\text{C}$. 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 ⁽²⁾	STICKER	
				TEXTENE	ARD
Roll dimensions	1848-1	m	\geq	10 x 1 (-1%)	8 x 1 (-1%)
Thickness	1849-1	mm	$\pm 5\%$	3	-
Mass per unit area	1849-1	kg/m ²	$\pm 10\%$	-	3.5 - 4
Watertightness	1928-B	kPa	\geq	60	
Cold flexibility	1109	$^\circ\text{C}$	\leq	-15	
Flow resistance at elevated temperature	1110	$^\circ\text{C}$	\geq	100	
L/T tensile strength	12311-1	N/5cm	$\pm 20\%$	450/350	
L/T tensile elongation	12311-1	%	± 15	40/45	
L/T dimensional stability	1107-1	%	\leq	0.2/0.1	
Static puncture	12730	kg	\geq	-	
Dynamic puncture	12691-B	mm	\geq	-	
L/T tear resistance	12310-1	N	$\pm 30\%$	150/150	
Durability after aging:					
• UV Ageing	1297	-	-	NPD ⁽³⁾	Passes the test
• Watertightness	1296-1928	kPa	\geq	60	
Steam permeability	1931	μ	\geq	20,000	
External fire behaviour	13501-5	EC ⁽⁴⁾	-	Froof	
Fire reaction	13501-1	EC ⁽⁴⁾	-	F	

Notes: ⁽²⁾ In compliance with the applicable AISPEC-MBP Guidelines.

⁽⁴⁾ Euroclass.

⁽³⁾ Characteristic not determined because it is not relevant for use.

Rev. 02 (01-18)

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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