

ADESOSHIELD SA

DOUBLE-ADHESIVE VAPOUR BARRIER

ADESOSHIELD SA is a high quality double-adhesive bituminous membrane made with **ADESO**[®] technology, the new compound stratification process developed by Polyglass SpA.

	Guaranteed Quality UNI EN ISO 9001:2008 and UNI EN ISO 14001:2004		All year membranes
	Products in compliance with European standards		No flame (greater work site safety)
	Polyglass is a member of Green Building Council		Odour free
	Bituminous membrane polymeric matrix ageing control		Easy to apply
	Incredible lightweight		Without mechanical fixings

IDEAL ON INSULATION PANELS
SENSITIVE TO FLAME

**LATEST
GENERATION
SELF-ADHESIVE
MEMBRANES**



Adds value!

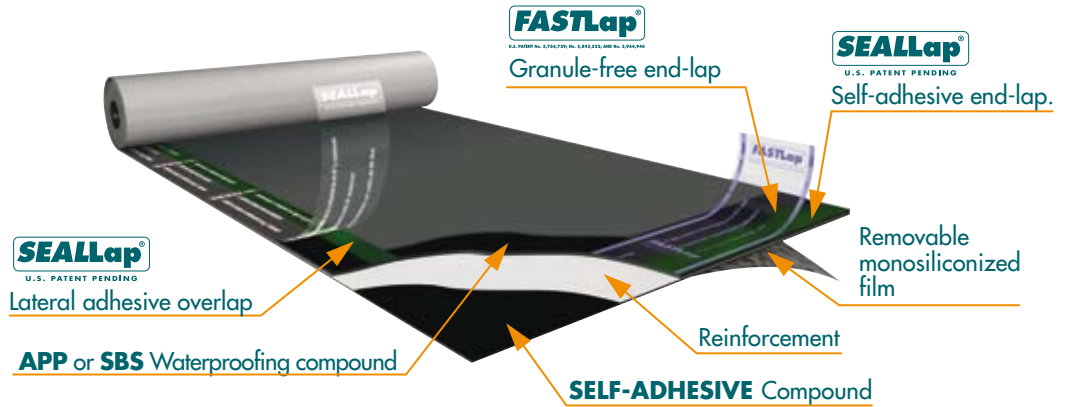


SELF-ADHESIVE TECHNOLOGY

TECHNICAL DESCRIPTION



ADESOSHIELD SA is a high quality double-adhesive bituminous membrane made with **ADESO**® technology, the new compound layering system from Polyglass SpA. **ADESOSHIELD SA** is made from a special elastomeric (SBS) self-adhesive compound reinforced with a staple non-woven polyester fabric and longitudinal glass fibre. This reinforcement allows the product an excellent dimensional stability, optimum mechanical characteristics, and good on-site capability. **ADESOSHIELD SA** has both sides protected by a mono-silicone polyethylene film which is removed when the membrane is applied.



INTENDED USE AS PER CE STANDARDS

PRODUCT	SINGLE LAYER		MULTIPLE LAYERS				ANTI-ROOT	VAPOUR BARR.	FOUNDATIONS	UNDER DISCONTINUOUS ROOFING
			F.L.		U.L.					
	E.	U.H.P.	E.	U.H.P.	E.	U.H.P.				
2 mm								•		

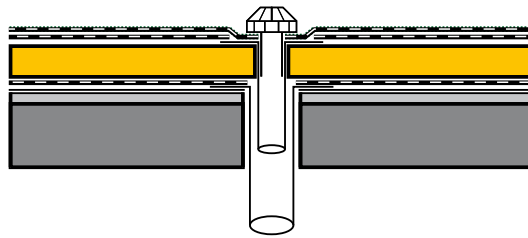
F.L.: Finishing Layer - U.L.: Underlying Layer - R.D.: Rising Damp - P.: Pitch - E: Exposed - U.H.P.: Under Heavy Protection

ADESOSHIELD SA is indicated for use beneath thermoplastic thermal insulation materials, such as polyurethane foam, extruded and foam polystyrene, etc. wood roofs, and wherever flaming cannot be used for application.

APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS

Unroll **ADESOSHIELD SA** making sure that the adhesive part is facing down. Remove half of the mono-silicone coated release film at the lower end of the roll, fasten the sheet, and then remove the other half of the film, taking care to avoid the formation of air bubbles or wrinkles on the screed or insulation panel. When laying on a pitched roof, apply the rolls from upwards downwards.

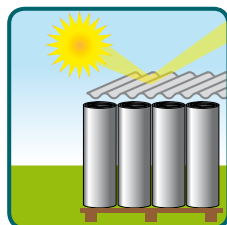
At the roof's ridge line, the membrane must be folded back 20-30 cm and then fastened mechanically. Whenever roof pitch is greater than 30%, the membrane must be fastened mechanically also at the overlap points (in accordance with the UNI reference standards), in order to avoid slipping and contrast the action of the wind. Make sure that any nails are completely covered by the next layer's selvage strip. Extra attention must be paid to the overlapping of the sheets. We recommend using shears, tile cutters, pressing rollers and leister hot air guns. The surfaces to be waterproofed must be dry, clean, and provided with a coat of bituminous primer. The excessive humidity of the surfaces to be waterproofed can cause the detachment of the membrane and the formation of blisters. The product must never be laid at temperatures of less than 5 °C and always only in good weather. **ADESOSHIELD SA** must never be exposed to inclement weather.



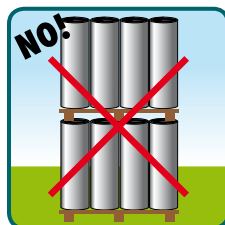
Correct positioning of the vapour barrier

STOCKING

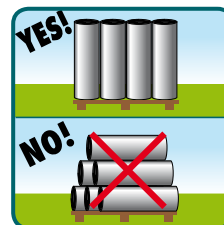
Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature is excessively low or high, avoid stamping (shoes with crampons, small objects or sharp edges). For further information contact Polyglass SpA Technical Office.



Keep out of direct sunlight.



Avoid stocking pallets without evenly distributing the load.



Keep the rolls standing.



Absolutely avoid puncturing the product.

DIMENSIONS – PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/mq	DIMENSIONS m
ADESOSHIELD SA	2	-	1x15

TECHNICAL SPECIFICATIONS

TEST METHOD	TECHNICAL SPECIFICATIONS	UNIT OF MEASURE	NOMINAL VALUES	NOMINAL VALUES
EN 1848-1	LENGTH	m	15 (-1%)	
EN 1848-1	WIDTH	m	1 (-1%)	
EN 1848-1	STRAIGHTNESS	mm/10 m	Exceeds	
EN 1849-1	THICKNESS	mm	2 (±5%)	
EN 1849-1	MASS PER UNIT AREA	kg/m ²	NPD	
EN 1928-A	RESISTANCE TO WATER PENETRATION	mm/H ₂ O	Exceeds	
EN 13501-1	REACTION TO FIRE	Euroclass	F	
EN 1931	WATER VAPOUR PROPERTIES	μ	95000 (±30%)	
EN 1296	WATER VAPOUR TRANSMISSION PROPERTIES			
EN 1931	AFTER THERMAL AGEING	μ	≤ ±50% initial value	
EN 1847	WATER VAPOUR TRANSMISSION PROPERTIES			
EN 1931	AFTER EXPOSURE TO CHEMICALS	μ	≤ ±50% initial value	
EN 12317	SHEAR RESISTANCE	N/50 mm	300/200 (-20%)	
	TENSILE PROPERTIES			
	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	400 (-20%)	
EN 12311-1	Transversal	N/50 mm	300 (-20%)	
	ELONGATION AT BREAK			
	Longitudinal	%	50 (-15)	
	Transversal	%	50 (-15)	
EN 12691-A	RESISTANCE TO IMPACT	mm	≥400	
	RESISTANCE TO TEARING			
EN 12310-1	Longitudinal	N	150 (-30%)	
	Transversal	N	150 (-30%)	
EN 1109	COLD FLEXIBILITY	°C	≤-25	
EN 1850-1	VISIBLE DEFECTS	-	ABSENT	

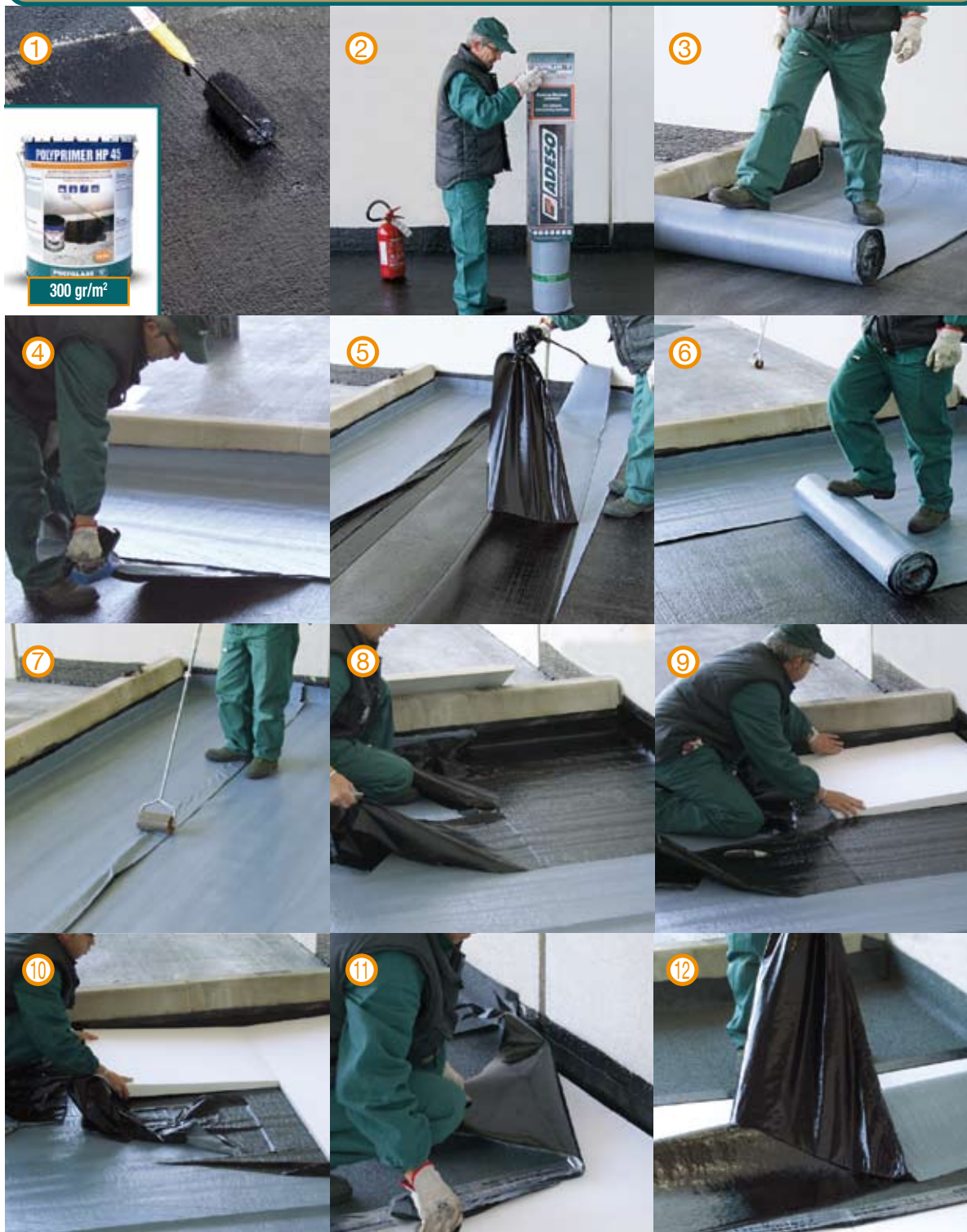
ADESOSHIELD SA

Thickness and weight parameters are indicative only for Italian market.
In compliance with EN 13970 products standards (vapour barrier).

Considering the various situations of use, the numerous types of support surfaces and the possibilities for use inside COMPLEX WATERPROOF LAYERING, Polyglass SpA cannot assume any liability for damages derived from the products' results in terms of function or aesthetics.



APPLICATION METHOD



- ① Treat the surface to be waterproofed with bituminous primer (POLYPRIMER HP 45 Professional).
- ② Remove the roll from the package.
- ③ Lay and align the sheet up to a certain reference point (perimeter wall, gutter line, etc.).
- ④ Remove the first half of the mono-silicone coated film.
- ⑤ Fold the sheet back halfway lengthwise and remove the second half of the mono-silicone coated film.
- ⑥ Apply the next layers in the same way.
- ⑦ Roll over the areas in which the sheets overlap.
- ⑧ Remove the mono-silicone coated film on the top surface.
- ⑨/⑩ Position the insulation panels.
- ⑪/⑫ Apply the self-adhesive waterproofing membrane over the insulation system.

ADESO[®]



SELF-ADHESIVE TECHNOLOGY



POLYGLASS SPA reserves the right to modify the products, without notice, in any necessary way in order to guarantee the continuous improvement of the product.

www.polyglass.com



Adds value!

POLYGLASS SPA

Registered Office: Viale Jenner, 4 - 20159 MILANO

Head Office: Via dell'Artigianato, 34 - 31047 Ponte di Piave (TV) - Italy

Tel. +39 04227547 - Fax +39 0422854118 - www.polyglass.com - info@polyglass.it