



**ADESO**  
SELF-ADHESIVE TECHNOLOGY

*The leader in the self-adhesive technology!*

**SBS  
COMPOUND**

# ADESOGUARD



**ADESOGUARD** is a prefabricated self-adhesive bituminous membrane modified with high quality polymers, produced using **ADESO**<sup>®</sup> technology, it presents a cross-laminated high density polyethylene film (HDPE) specifically designed for applications on foundations, to be used as a sealing element in vertical and horizontal waterproofings.



**Guaranteed Quality**  
UNI EN ISO 9001:2008 and  
UNI EN ISO 14001:2004



**Self-adhesive lateral and end-lap overlap**



**Products in compliance with European standards**



**All year membranes**



**Polyglass is a member of Green Building Council**



**No flame (greater work site safety)**



**Bituminous membrane polymeric matrix ageing control**



**Odour free**



**Incredible lightweight**



**Easy to apply**

**LATEST GENERATION SELF-ADHESIVE MEMBRANES**

WATERPROOFING MATERIALS AND INSULATING SYSTEMS

**POLYGLASS** / Q

**MAPEI GROUP**

*Adds value!*

**IDEAL FOR FOUNDATIONS AND VERTICAL SURFACES**

## TECHNICAL DESCRIPTION










**ADESO** are excellent quality waterproofing membranes made with **ADESO**<sup>®</sup> technology, the new compound layering system from Polyglass SpA. **ADESO** is produced with an elastomeric compound (SBS), armed with a reinforcement with glass fibre and presents a cross-laminated high density polyethylene film (HDPE) on the upper side which makes the external part of the compound more mechanically resistant, making the product particularly useful for foundations, for waterproofing vertical surface, (walls, percolating water) or as an antihumid when applied under the floor. Lateral and end-lap overlap are totally adhesive in order to guarantee maximum overlapping bonding.

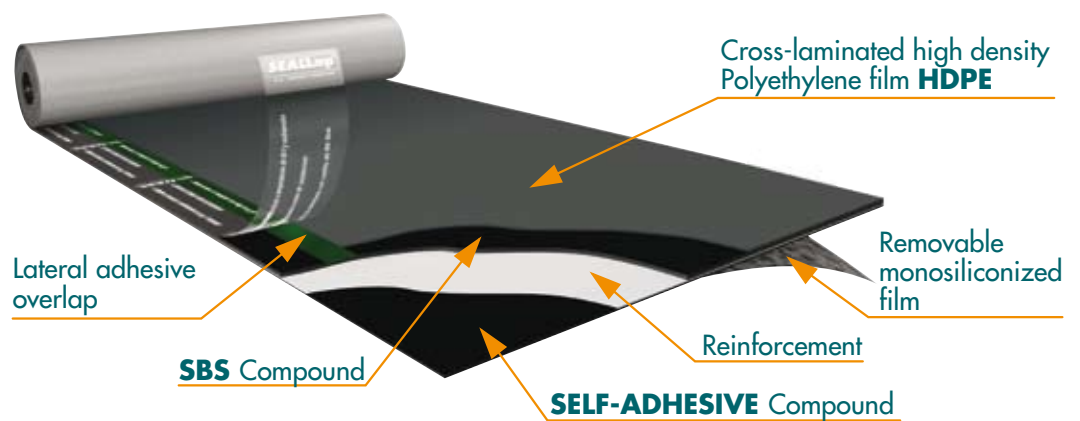
**ADESO**'s adhesive lower side is protected with a monosiliconized polyethylene film, divided longitudinally in two parts, which must be removed right before the application.

## SELF-ADHESIVE OVERLAP



### BENEFITS:

-  Instant adhesion between adjacent membranes, even when the temperature is particularly low.
-  No need for adhesives or mastic tapes.
-  Reduces the application time.
-  Reduces the application costs.
-  Ensures a quick, clean and easy adhesion of the sheets.
-  Remarkable binding capacity of the overlaps.
-  Immediate waterproofing of the construction.



## INTENDED USE AS PER CE STANDARDS

PRODUCT	SINGLE LAYER		MULTIPLE LAYERS				ANTI-ROOT	VAPOUR BARR.	FOUNDATIONS		UNDER DISCONTINUOUS ROOFING
			F.L.		S.				R.D.	L.	
	V.	U.H.P.	V.	U.H.P.	V.	U.H.P.					
1,8 mm									•		

F.L.: Finishing Layer - S.: Substrate - R.H.: Rising Damp - L.: Layer - V.: Visible - U.H.P.: Under Heavy Protection

**ADESOGUARD** is a versatile membrane, with great mechanical resistance, dimensional stability and extreme adhesion properties. These characteristics make **ADESOGUARD** particularly remarkable as a sealing element for the waterproofing of walls.

## APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS



The self-adhesive membranes of the **ADESOGUARD**® series for horizontal surfaces and/or walls are particularly easy to apply and effective. The great advantage of the **ADESOGUARD**® products lies in their light weight and their tractability, making them particularly easy to apply.

The wall or horizontal surface for the anti-humid treatment, must first be treated with the appropriate bituminous primer (Polyprimer, Polyprimer HP 45 Professional or Idroprimer) which must be allowed to dry appropriately. You then have to place "Bordangolo", the trapezoidal profile, at the base of the wall, in order to make a 45-degree fold when placing the membrane, avoiding damaging the foldings.

Remove the self-adhesive membrane roll from its protective package, unroll the product on the ground and cut it in order to obtain a sheet of the appropriate dimensions.

Fix approximately 30 cm of one of the upper corners of the membrane to the wall, in order to keep the sheet in a vertical position and then remove, in two different moments, the two parts of the mono-siliconized protective film. Pay particular attention when fixing the lower part of the membrane horizontally, connecting it to the "Bordangolo". Eventual traces of air can be removed by pressing a hand against the external surface of the membrane.

Roll on top of the areas in which the two sheets overlap. The sealing of the upper border can be performed with a hot air leister. Do not use a propane gas burner as it may damage the HDPE polyethylene film.

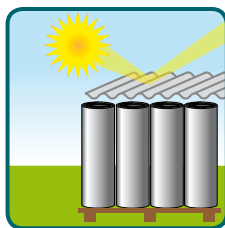
The upper part of the sheet, near the upper end of the wall which must be waterproofed needs always to be fixed with a metal flashing, or fixed to the concrete using inserts or nails, in order to avoid detachments or slippings due to the oxidative action of the air on the border of the membrane. Eventual technical details, reparations due to accidental breakings, or in any case you need to waterproof the membrane, use a hot air leister.

The membrane must be appropriately protected during the backfilling of the walls, using draining sheets or amortizing elements.

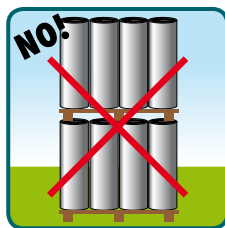
## STOCKING

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).

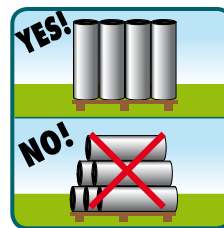
For further information contact Polyglass SpA Technical Office.



Keep out of direct sunlight.



Avoid stocking pallets without evenly distributing the load.



Keep the rolls standing.



Absolutely avoid puncturing the product.

# TECHNICAL SPECIFICATIONS





TEST METHOD	TECHNICAL SPECIFICATIONS	UNIT OF MEASUREMENT	NOMINAL VALUE
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	1,8 (±0,2)
EN 1849-1	MASS PER UNIT AREA	kg/m <sup>2</sup>	NPD
EN 1928-B	WATERTIGHTNESS	kPa	Exceeds
EN 1928-B	WATERTIGHTNESS AGAINST ARTIFICIAL AGEING	kPa	Exceeds
EN 1928-B	WATERTIGHTNESS AGAINST CHEMICAL	kPa	Exceeds
EN 1847	WATERTIGHTNESS AGAINST CHEMICAL	kPa	Exceeds
EN 13897	WATER TIGHTNESS AFTER STRETCHING	%	Exceeds
EN 13501-1	REACTION TO FIRE	Euroclass	F
EN 12317	SHEAR RESISTANCE	N/50 mm	300 (-20%)
EN 12311-1	TENSILE PROPERTIES		
	MAXIMUM LOAD AT BREAK		
	Longitudinal	N/50 mm	500 (-20%)
	Transversal	N/50 mm	400 (-20%)
	ELONGATION AT BREAK		
EN 12691-A	Longitudinal	%	100 (-20)
	Transversal	%	100 (-20)
EN 12691-A	RESISTANCE TO IMPACT	mm	≥300
EN 12730-A	RESISTANCE TO STATIC LOADING	kg	≥5
EN 12310-1	RESISTANCE TO TEARING		
	Longitudinal	N	200 (-30%)
EN 12310-1	Transversal	N	200 (-30%)
	EN 1107-1	DIMENSIONAL STABILITY	%
EN 1109	COLD FLEXIBILITY	°C	≤-25
EN 1931	WATER VAPOUR PROPERTIES	μ	20000
EN 1850-1	VISIBLE DEFECTS	-	ABSENT

ADESOGUARD

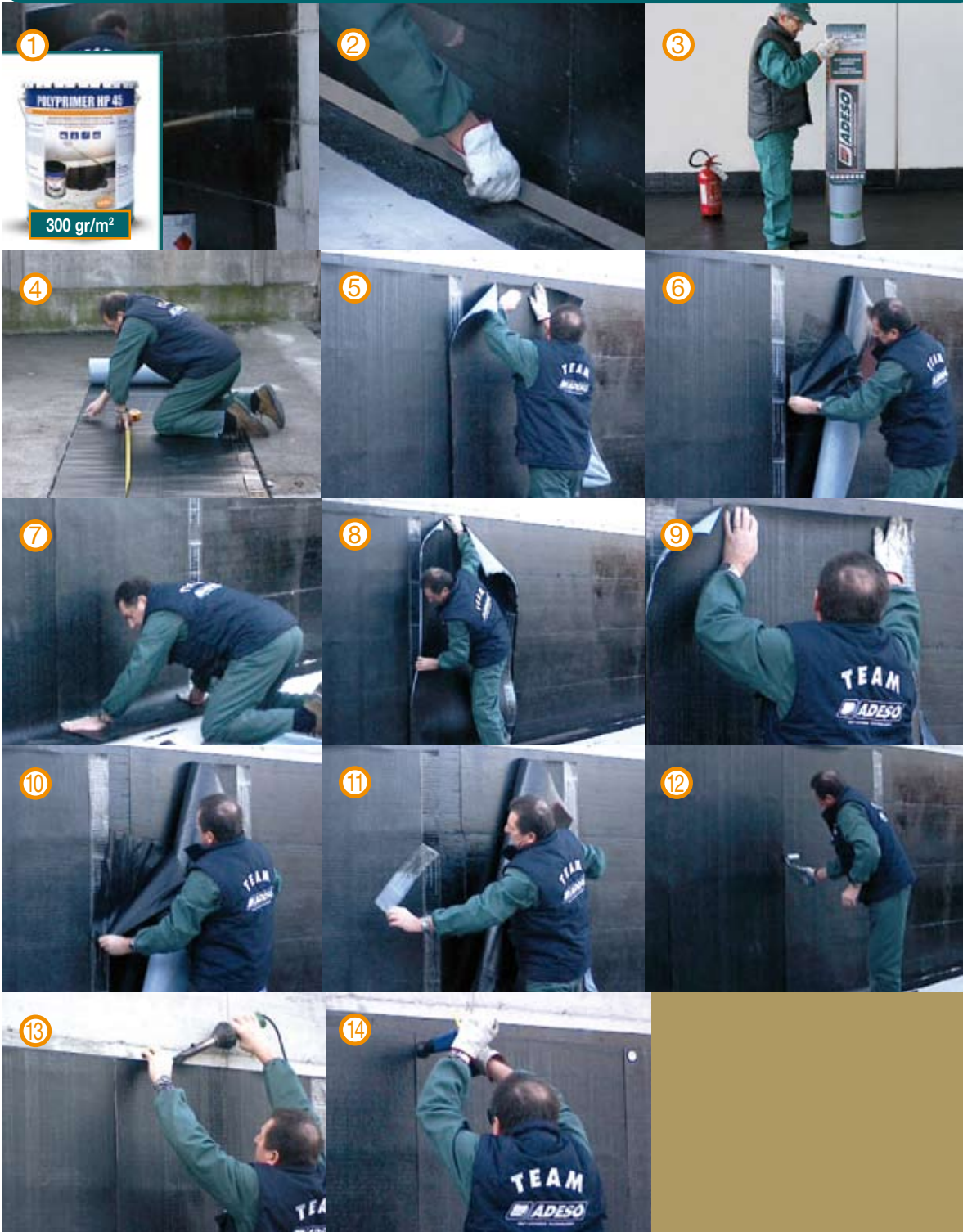
Thickness and width are indicative parameters only for the Italian market.  
Respecting the EN 13969 TYPE T (foundation).

# DIMENSIONS – PACKAGING

PRODUCT	WIDTH mm	WEIGHT kg/mq	DIMENSIONS m
ADESOGUARD	1,8	-	1x15

-  WALKABLE FLAT COVERINGS
-  NON WALKABLE FLAT COVERINGS
-  FLAT COVERINGS WITH STRUCTURAL FRETTED SEAM PANNELLING
-  INDUSTRIAL SHED COVERINGS
-  VAULT COVERINGS
-  PITCHED COVERINGS
-  FOUNDATIONS
-  UNDERGROUND PARKING LOTS
-  RAISED PARKING LOTS
-  ROOF-GARDENS
-  BRIDGES AND VIADUCTS
-  BASINS AND CANALS
-  GALLERIES AND TUNNELS
-  REPLACEMENT OF THE WATERPROOF COAT  
REPLACEMENT WITH INSULATING SYSTEM  
PARTICULAR REPLACEMENTS
-  DETAILS
-  SPECIAL COVERINGS

## APPLICATION METHOD



- ① Apply the bituminous primer (Polyprimer, Polyprimer HP 45 Professional, Idoprimer) on the surface which you want to waterproof.
- ② Place the trapezoidal profile, "Bordangolo", at the base of the wall.
- ③ Remove the roll from its package.
- ④ Unroll the product on the ground and cut it in order to obtain a sheet of the appropriate dimensions.
- ⑤ Fix approximately 30 cm of one of the upper corners to the surface in order to keep the sheet in a vertical position.
- ⑥ Remove the protective monosiliconized film.
- ⑦ Fix the lower part of the sheet horizontally, connecting it with the "Bordangolo".
- ⑧ Apply the second waterproofing sheet on top of the first one, placing it 10 cm above the lower sheet, on the appropriate area designed for the overlapping of the sheets, the lateral overlap.
- ⑨/⑩ Fix the corner of the waterproofing membrane in order to simplify the removal of one of the two halves of the monosiliconized film.
- ⑪ Remove the polyester film protecting the overlap.
- ⑫ Roll over the areas in which the sheets overlap.
- ⑬/⑭ Fix the upper part of the sheet, near the upper end of the wall you are waterproofing, using a hot air leister (13) and/or with mechanical fixing, using an appropriate tooling (14).



SELF-ADHESIVE TECHNOLOGY



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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](http://www.polyglass.com)



*Adds value!*

**POLYGLASS SPA**

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