

**POLYDAN 4 BASEMENT SBS**

POLYDAN 4 BASEMENT SBS is a bituminous waterproofing sheet of 4 mm. Composed of a non-woven heavyweight polyester felt reinforcement and covered on both sides with SBS modified bitumen mastic. Membrane with an upper surface geotextile finished and a lower surface in polyethylene film. Tested according to standard EN test methods. Membrane of 1 m x 8 m x 4 mm. Torch-on application. **Recommended as sheet in retaining wall or under slab solution.**

TECHNICAL DATA	VALUE	UNIT	STANDARD
Watertightness (Hydrostatic Pressure)	7	Kg/cm <sup>2</sup>	EN 1928
Resistance to static loading	>35	kg	UNE-EN 12730
Resistance to impact	>2100	mm	UNE-EN 12691
Reaction to fire	E	-	UNE-EN 11925-2 UNE-EN 13501-1
Longitudinal tensile strength	1000 ± 250	N/5cm	UNE-EN 12311-1
Transversal tensile strength	800 ± 250	N/5cm	UNE-EN 12311-1
Longitudinal elongation at break	45 ± 15	%	UNE-EN 12311-1
Transversal elongation at break	45 ± 15	%	UNE-EN 12311-1
Longitudinal resistance to tearing (nail shank)	500 ± 100	N	UNE-EN 12310-1
Transversal resistance to tearing (nail shank)	500 ± 100	N	UNE-EN 12310-1
Joint strength: shear resistance	650 ± 250	-	UNE-EN 12317-1
Flexibility at low temperature	< -15	°C	UNE-EN 1109
Humidity resistance factor	20.000	-	UNE-EN 1931
Flexibility at low temperature (pliability)	-5 ± 5	°C	UNE-EN 1109
Flow resistance at elevated temperature	100 ± 10	°C	UNE-EN 1110

**MAIN ADVANTAGES**

Very high Hydrostatic Pressure Resistance to work in deeper and most difficult conditions. More than 7 bar.

This SBS membrane has got 50% more adherence than same design in APP membrane. The adherence is better with concrete support as well as between membranes (joint strength).

Much better puncture resistance in comparison with other waterproofing methods or membranes.

Excellent adhesion / bonding between geotextil surface and poured concrete.

**ADDITIONAL TECHNICAL DATA**

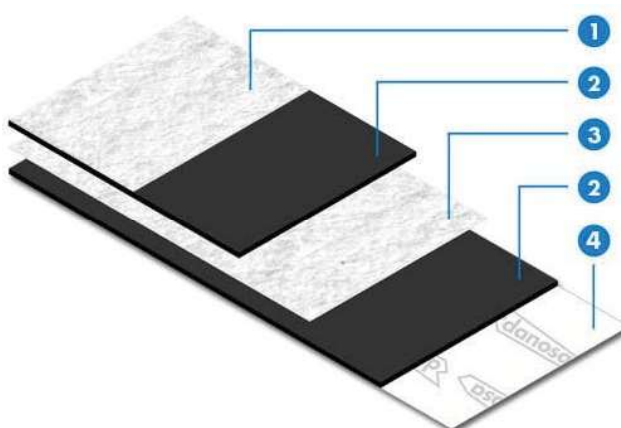
ADDITIONAL DATA	VALUE	UNIT	STANDARD
Nominal thickness	4.0	mm	-
Flow resistance at elevated temperature	>100	°C	UN-EN 1110
Dimensional stability at elevated temperature (longitudinal)	< 0.5	%	UNE-EN 1107-1
Dimensional stability at elevated temperature (transversal)	< 0.5	%	UNE-EN 1107-1

Membranes thickness tolerance: = -0,3 mm, apart from membranes with thickness 2 and 2,4 mm whose tolerance is =-0,2 mm. Membranes mass per unit area tolerance: -5% (mini) and +10% (maxi) from nominal value.

**POLYDAN 4 BASEMENT SBS**

**PRESENTATION**

PRESENTATION	VALUE	UNIT
Length	8	m
Width	1	m
Roll surface	8	sqm
Rolls per pallet	23	



- 1 **geotextil**
- 2 **SBS modified bitumen**
- 3 **non-woven polyester felt**
- 4 **polyethylene film**

**WARNING**

The information that appears in the following document makes reference to the uses and utilities of TIKIDAN's products and systems, and it is based on the knowledge that have been learnt until present, by TIKIDAN This is only possible if products have been stored and used in an appropriate way.

Nevertheless, TIKIDAN is not responsible for unsuitable uses of the products neither any other facts, such as meteorological facts. So TIKIDAN is just responsible for the quality related to the provided products. TIKIDAN reserves the right to carry out modifications without previous notice.

The values that appear in the technical sheet are the results of the tests that have been performed in our laboratory. May 2016.