



PENGUEN SERIES

PENGUEN Serial Waterproofing Membranes are plastomeric type that are the ideal preference for mild climate zone. In producing this type of membranes, APP (Atactic Polypropylene) with thermoplastic resin is used for to enhance of the bitum. Also incrazing, physical strength of the membranes being used glassfiber tissue and nonwoven polyester mat as a bearing and reinforcement system.



Category: [Penguin Series](#)

Tags: [Bituminous membranes](#),
[Waterproofing Membranes](#)

PRODUCT DESCRIPTION

PENGUEN Serial Waterproofing Membranes are plastomeric type that are the ideal preference for mild climate zones. In producing of this membranes, APP (Atactic Polypropylene) with thermoplastic resin is used in order to enhance the bitumen. Fibreglass tissue and non-woven polyester mat is used as a carrier in order to reinforce to membrane.

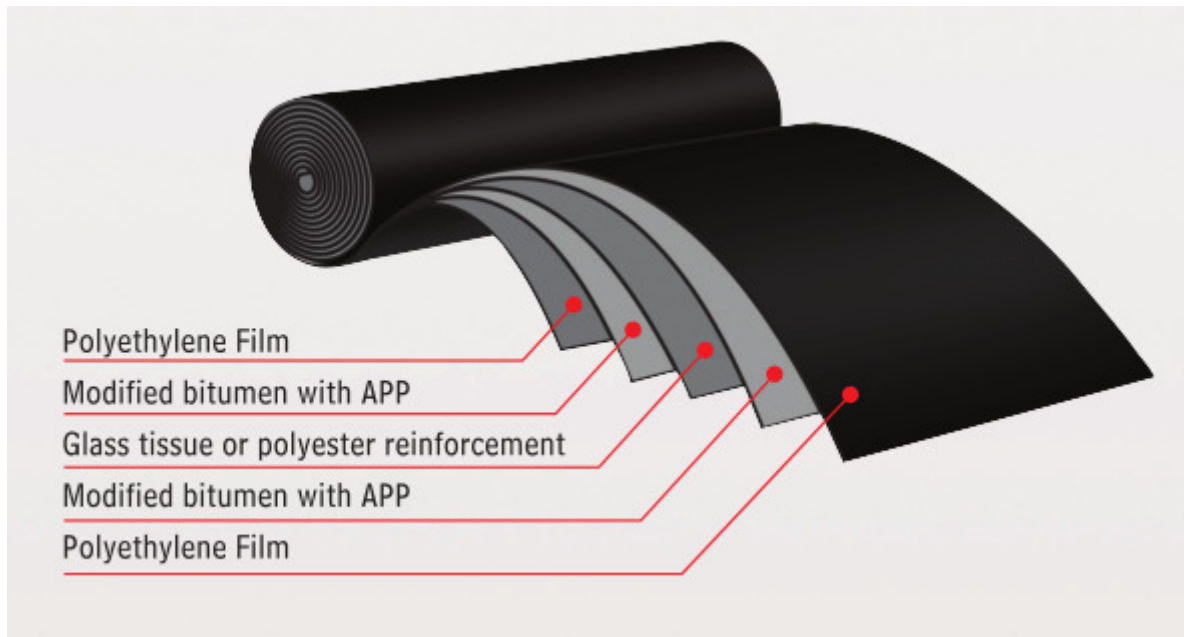
Application Area

Bituminous membranes can be applied in all areas where water can affect the structure such as walls which have contact with ground, foundations and layers with the ground.

They can also be used in external walls which is below of the water level , balconies, terraces, bathrooms and toilets.

Additionally they can be used in the structures for water reservoirs, artificial ponds or resting walls. It provides, in many ways a better economical and aesthetic solution.

Cold Bending	:	-5 °C
Temperature Resistance (Minimum)	:	110 °C
Breaking Point (Fraass)	:	-15°C



Features

It keeps its good adherence even after application and it is definite solution for all waterproofing problems



especially in the basement applications. It can be applied all different surfaces like wood, cement and metals.

It has shows enhanced elasticity against transversal and longitudinal structural movement. It also stands against building movements and structural expansion differences.

Our membranes neither dissolve or discharge in warm weather conditions. They do not crack in the cold weather conditions and can be easily used with the help of blow torch. It is easily applied with cutting special cutters according to necessary sizes.

The Penguen Series are suitable for using in dilatation, concrete structures, parapet turns and chimneys. They are as durable as the life of the building given that they are applied correctly.

Technical Features



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			PENGUEN (PLASTOMERİK SERİ) A.P.P. Modifiyeli									
ÖZELLİKLER	STANDART	BİRİM	SC 2000	SC 3000	SP 3000	SP 4000	SF 40 AR	SP 40 AR	SP 50 AR	SC 3000 AF	SP 3000 AF	SP 4000 AF
Donatı Tipi			Cam Tülü		Polyester		Cam Tülü	Polyester		Cam Tülü	Polyester	
Kalınlık	TS 11758-1	mm	2	3	3	4	3,5	3,5	4,5	3	3	4
Ağırlık	TS 11758-1	kg/m ²	2,2	3,3	3,3	4,4	4	4	5	3,3	3,3	4,4
En	TS 11758-1	m	1	1	1	1	1	1	1	1	1	1
Boy	TS 11758-1	m	15	10	10	10	10	10	10	10	10	10
Sıcaklık dayanımı	TS 11758-1	°C	110	110	110	110	110	110	110	110	110	110
Soğukta Bükülme	TS 11758-1 TS EN 1109	°C	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Bitümün Kırılma Noktası (Frass)	TS 11758-1	°C	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
Su Geçirimsizlik	TS 11758-1	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boyuna Çekme Direnci (En az)	TS 11758-1 TS 1908	N/5 cm	300	300	600	600	300	600	600	300	600	600
Enine Çekme Direnci (En az)	TS 11758-1 TS 1908	N/5 cm	200	200	400	400	200	400	400	200	400	400
Boyuna Uzama	TS 11758-1 TS 1908	%	2	2	30	30	2	30	30	2	30	30
Enine Uzama	TS 11758-1 TS 1908	%	2	2	30	30	2	30	30	2	30	30
Kaplama Üst			PE	PE	PE	PE	MİN	MİN	MİN	Al Folyo	Al Folyo	Al Folyo
Kaplama Altı			PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Poz No			04.626.5.9	04.626.5.6	04.626.6.9	04.626.6.f	04.626.5.c.d.e.f	04.626.b.b.c.d.e	04.626.b.b.g.h.i			

AF : Alüminyum folyolu membran
AR : Arduazlı membran
PE : Polietilen film
MİN : Mineral kaplama
✓ : Su Geçirimsiz