



**DILER PE 5 KG**

**Kind of product**

The waterproofing membranes DILER PE 5 KG are obtained by the co-extrusion of a bitumen-polymer compound and of a stabilised polyester "non-woven" reinforcement, which is placed in the thickness of the membrane in complete synergy with it. Both sides are covered by the "Termotene" film and may be painted with reflective protective paints like ELASTOMUL G or PARWENOL 4822 Alluminio.

The membranes DILER PE 5 KG are supplied in rolls with plastic strips and Quality Control Certificate, are in conformity with the CE marking where necessary and do not contain asbestos, pitch or other dangerous elements.

**Fields of use**

The membranes DILER PE 5 KG are specifically used for the realisation of waterproofing jobs.

In particular, for what concerns the use for covers and foundation, can be used as follows (1):

INTEND USE  MEMBRANES	ROOFS (EN 13707)						UNDER TILES (EN 13859-1)	FOUNDATIONS (EN 13969)
	EXPOSED			ROOF GARDEN	UNDER HEAVY PROTECTION			
	Single layer	Multi layer			Anti roots	Single layer		
		Top	Intermediate					
<b>DILER PE 5 KG</b>			▲			▲		▲

(1) In conformity with the applicable norms and the Guide Lines AISPEC-MBP

**Methods of application**

The application methods represent a decisive factor which characterizes the performances of the waterproofing membrane. We recommend to clean the support thoroughly and to treat it with an approved primer (applied by long-handled brush, roll or spray) with a consumption of 0,2 ÷ 0,3 l/m<sup>2</sup>, to be adjusted depending on the porosity degree of the support itself. The membrane will be applied by means of a propane gas flame; a special care should be given to the execution of the overlaps between one roll and another, which will always have to be staggered: the side laps will have to be 8 to 10 cm wide, the end laps 12 ÷ 15 cm. To get a correct and complete documentation and to find all the more appropriate solutions for each circumstance we suggest you to contact the Imper Italia S.p.A. Technical Services, which are in any case at your full disposal for the examination of particular problems and to give all the necessary assistance for the use of the product.

## TECHNICAL CHARACTERISTICS

Characteristics	EN Norms	Units	Tolerances (2)	DILER PE 5 KG
Rolls size	1848-1	m	≥	10x1 (-1%)
Thickness	1849-1	mm	±5 %	-
Mass per unit area	1849-1	Kg/m <sup>2</sup>	±10 %	5
Watertightness	1928-B	kPa	≥	60
Flexibility at low temperature	1109	°C	≤	0
Flow resistance at elevated temperature	1110	°C	≥	110
Tensile properties: maximum tensile force	12311-1	N/5cm	±20%	450/350
Tensile properties: elongation	12311-1	%	± 15 <sup>(3)</sup>	40/40
Dimensional stability	1107-1	%	≤	0.25/0.1
Resistance to static loading	12730-B	Kg	≥	15
Resistance to impact	12691-B	mm	≥	600
Resistance to tearing (nail shank)	12310 -1	N	+30%	150/150
Peel resistance of the joint	12316 -1	N/5cm	±20 N	NPD <sup>(5)</sup>
Shear resistance of the joint <sup>(3)</sup>	12317-1	N/5cm	±20%	<i>break outside of the joints</i>
Artificial ageing by long term exposure to elevated temperature (EN 1296)				
Flexibility at low temperature	1296-1109	°C	+15 °C	NPD <sup>(5)</sup>
Flow resistance at elevated temperature	1296-1110	°C	-10 °C	100
Artificial ageing by long term exposure to UV				
Watertightness	1296-1928	kPa	-	60
Chemical resistance	-	-	-	NPD <sup>(5)</sup>
Tensile properties: maximum tensile force L/T	12311-1	N/5cm	±20%	NPD <sup>(5)</sup>
Tensile properties: elongation L/T	12311-1	%	±15 <sup>(3)</sup>	NPD <sup>(5)</sup>
Water vapour transmission properties	1931	u	≥	20.000
Resistance to root penetration	LG Aispec	-	-	NPD <sup>(5)</sup>
External fire exposure	13501-5	EC <sup>(6)</sup>	-	Froof
Reaction to fire	13501-1	EC <sup>(6)</sup>	-	F

(2) In conformity with the applicable norms and the Guide Lines AISPEC-MBP

(3) ± 2% for glass fibre reinforcement

(4) Declared value or break outside of the joints

(5) "No performance determined" as not relevant for intended use

(6) European classification

SP-DILER PE 5 KG/I.0

The data stated to standards effective on the printing date. Our Company has the right to modify them without any previous notice. - Les données indiquées sont référées aux standards en vigueur à la date d'impression. Notre Société se réserve le droit de les modifier sans aucun avis préalable. - Die hier erwähnten Angaben beziehen sich auf die Standardwerte die am Druckdatum gültig waren. Unsere Firma behält sich das Recht vor, sie fristlos zu modifizieren.



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