

FOCUS



**Product description**

The prefabricated waterproofing membranes FOCUS are obtained by co-extrusion of an elastomeric compound based of SBS, dispersed in selected distilled bitumen and a non-woven reinforcement of polyester from continuous yarn at controlled dimensional stability with longitudinal mineral fibres, which are placed in the thickness of the membrane.

FOCUS is available in the following versions: FOCUS 4 mm, with top side covered by thermofusible film and FOCUS ARD, finished with mineral chips. The bottom side of all versions is covered by the thermofusible film Termotene, which improves the application and adhesion to the support.

The waterproofing membranes FOCUS are packed in taped rolls, each bearing a Quality Control Certificate. They are in conformity to CE marking, where necessary. They do not contain asbestos, pitch or other dangerous elements.

**Fields of use**

The membranes FOCUS are specifically used for the realisation of waterproofing jobs. In particular, for what concerns the use for the covers and foundation, the different versions can be used as follows <sup>(1)</sup>:

PRODUCT	USE <sup>(1)</sup>							
	Roofing (EN 13707)						Under tiles (EN 13859-1)	Foundations (EN 13969)
	Exposed		Roof gardens	Under heavy-duty protection		Anti roots		Multi layer
	Single layer	Multi layer		Single layer	Multi layer			
		Top	Intermediate					
FOCUS 4 mm			•			•	•	
FOCUS ARD 4,5		•					•	

(1) In compliance with applicable standards and AISPEC/SITEB-MBP guidelines.

**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.r.l. 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.

SPECIFICATIONS<sup>(1)</sup>

Properties	EN standards	Unit of measure	Tolerances <sup>(1)</sup>	FOCUS	
				4 MM	ARD
Roll size	1848-1	m	≥	10 × 1 (-1%)	
Mass per unit area	1849-1	kg/m <sup>2</sup>	±10%	-	4,5
Thickness	1849-1	mm	±5%	4	-
Watertightness	1928-B	kPa	≥	60	
Cold flexibility	1109	°C	≤	-20	
Hot creep	1110	°C	≥	+100	
Tensile properties: maximum tensile force	12311-1	N/5cm	±20%	500/400	
Tensile properties: elongation	12311-1	%	±15 <sup>(2)</sup>	40/40	
Dimensional stability	1107-1	%	≤	0,25	
Resistance to static loading	12730	kg	≥	10	
Resistance to impact	12691-B	mm		700	
Resistance to tearing (nail shank)	12310-1	N	±30%	150/150	
Peel resistance of the joint	12316-1	N/5cm	±20	NPD <sup>(4)</sup>	
Shear resistance of the joint <sup>(3)</sup>	12317-1	N/5cm	±20%	NPD <sup>(4)</sup>	
<b>Artificial ageing by long term exposure to elevated temperature (EN 1296)</b>					
• Cold flexibility	1296-1109	°C	+15°C	-	
• Hot creep	1296-1110	°C	-10°C	+100	
• UV aging	197	-	-	NPD <sup>(4)</sup>	
• Watertightness	1296-1928	Kpa	≥	60	
• Chemical resistance	-	-	-	NPD <sup>(4)</sup>	
• Tensile properties: maximum tensile force	12311-1	N/5cm	±20%	-	
• Tensile properties: elongation	12311-1	%	±15 <sup>(2)</sup>	-	
Water vapour transmission properties	1931	μ	≥	20.000	
Resistance to root penetration	13948		-	NPD <sup>(4)</sup>	
External fire exposure	13501-5	EC <sup>(5)</sup>	-	Froof	
Reaction to fire	13501-1	EC <sup>(5)</sup>	-	F	

**Notes:** (1) In compliance with applicable standards and AISPEC/SITEB-MBP guidelines.

(2) ±2% for glass fibre reinforcement.

(3) Declared value or break outside of the joints.

(4) Not determined, because not relevant for application.

(5) Euroclass.

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