DIVISION IMPER
IMPER ITALIA S.P.A.
... and no water penetrates

CE

EUROGUM Series

Kind of product

The EUROGUM Series is manufactured by the co-extrusion of the bitumen-polymer compound and of the reinforcement placed in the thickness of the membrane in a complete synergy with it.

The careful formulation and the particular dispersion of distilled bitumens and elastomers give the material good mechanical performances and resistance to aging.

EUROGUM Series is available in the weight 3 and 4 kg/m2: both the upper and lower surfaces are finished with "Termotene" treatment, which makes the application easier and improves the adhesion of the waterproofing membrane to the support. The EUROGUM Series is produced also in the version EUROGUM ARD, with the top side covered by slate granules, available in the weights of 4,5 and 5 kg/m2.

The membranes of the EUROGUM Series 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 of the EUROGUM Series are specifically used for the realisation of waterproofing jobs.

In particular, for what concerns the use for covers and foundation, the different versions 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	Multi layer		Multi layer
		Top	*Intermediate*					
EUROGUM			▲			▲		▲
EUROGUM ARD		▲						

(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 (applicated by long-handled brush, roll or spray) with a consumption of 0,2 ÷ 0,3 l/m^2, 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)	EUROGUM	EUROGUM ARD
Rolls size	1848-1	m	≥	8x1 (-1%)	8x1 (-1%)
Thickness	1849-1	mm	±5 %	3 - 4	-
Mass per unit area	1849-1	Kg/m^2	±10 %	-	4.5 - 5
Watertightness	1928-B	kPa	≥	60	60
Flexibility at low temperature	1109	°C	≤	- 20	- 20
Flow resistance at elevated temperature	1110	°C	≥	100	100
Tensile properties: maximum tensile force	12311-1	N/5cm	±20%	550/400	550/400
Tensile properties: elongation	12311-1	%	± 15(3)	45/45	45/45
Dimensional stability	1107-1	%	≤	0.3	0.3
Resistance to static loading	12730-B	Kg	≥	NPD(5)	NPD(5)
Resistance to impact	12691-B	mm	≥	NPD(5)	NPD(5)
Resistance to tearing (nail shank)	12310 -1	N	±30%	150/160	150/160
Peel resistance of the joint	12316 -1	N/5cm	±20 N	NPD(5)	NPD(5)
Shear resistance of the joint (4)	12317-1	N/5cm	±20%	break outside of the joints	break outside of the joints
Artificial ageing by long term exposure to elevated temperature (EN 1296)					
Flexibility at low temperature	1296-1109	°C	+15°C	NPD(5)	NPD(5)
Flow resistance at elevated temperature	1296-1110	°C	-10°C	100	100
Artificial ageing by long term exposure to UV	1297	-	-	NPD(5)	Pass the test
Watertightness	1296-1928	kPa		60	60
Chemical resistance	-	-	-	NPD(5)	NPD(5)
Tensile properties: maximum tensile force	12311-1	N/5cm	±20%	550/400	550/400
Tensile properties: elongation L/T	12311-1	%	±15(3)	45/45	45/45
Water vapour transmission properties	1931	μ	≥	20.000	20.000
Resistance to root penetration	LG Aispec		-	NPD(5)	NPD(5)
External fire exposure	13501-5	EC(6)	-	Froof	Froof
Reaction to fire	13501-1	EC(6)	-	F	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 determinated" as not relevant for intended use

(6) European classification

SP-EURG/E.0

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