

PARAFOR M4 GV PY GR

DESCRIPTION AND SCOPE OF APPLICATION

A SBS elastomeric bitumen membrane with stabilised non woven polyester fleece manufactured in rolls. This product is self protected by granules in way to be exposed to the external aggressions.

Single layer of self protected waterproofing system. Single ply system under heavy protection of gravels. Top layer of double ply system when the waterproofing is under heavy protection (concrete slab) or self protected ; in that case, it is fully torched to an underlayer.

Its heavy reinforcement provides excellent mechanical characteristics.

COMPOSITION AND NOMINAL CHARACTERISTICS

Main surface	Coloured Granules
Longitudinal overlap surface	Sanded
Blend	SBS elastomeric bitumen
Reinforcement	Stabilised non woven polyester fleece
Bottom surface	sand
Longitudinal selvedge width (mm) \pm 10 mm	90
Nominal thickness on the main surface (mm)	4,2
Nominal thickness on the selvedge (mm)	3,2
Roll length and width (m)	10 x 1

AVERAGE CHARACTERISTICS


Performance	Reference Standard	Units	Values
Tensile strength (L x T)	EN 12 311-1: 1999	N/50mm	700 x 600
Elongation at break (L x T)	EN 12 311-1: 1999	%	45 x 45
Nail tearing resistance (L x T)	EN 12 310-1	N	300 x 300
Cold temperature flexibility	EN 1109	°C	- 15
Creep resistance	EN 1110	°C	100
Dimensional stability (average value)	EN 1107	%	0.2
Static indentation	EN 12730	KG	15 kg
Dynamic indentation	EN 12691	mm	10

PACKAGING

Rolls quantity per truck pallet	20
Rolls quantity per container pallet	20
Rolls quantity per wooden box	20
Nominal weight / m ² (kg/m ²)	5
Nominal weight / roll (kg)	50

This product is packaged in rolls set up vertically in wooden box or pallet.
It must be stored vertically under shelter, away from heat sources.

ISO 9001 REFERENCE DOCUMENT

Our company has been awarded the ISO 9001 certificate for all its establishments in France.	
This product technical data sheet is the ISO 9001 reference document.	

GENERALITIES ABOUT APPLICATION

Application	<p>This membrane can be fully adhered by torching if the support can permit it.</p> <p>The application procedure is torching. The reinforced angle is made with PAREQUERRE, PARAFOR M3S, PARAFOR M4S or PARAFOR M4 GV PY and the upstand with PARADIAL S, PARAFOR 30 GS, PARAFOR SOLO GS or PARAFOR M4 GV PY GR.</p> <p>This product can be partially bonded by torching method to its support through a perforated screen PERFADER or glued with spots of cold adhesive glue : COLLE PAR.</p> <p>Under heavy protection this membrane can be loose laid on VERECRAN 100.</p> <p>This product can be applied on a bitumen layer but , If this membrane is used as a single ply, the overlaps (longitudinal overlaps and end laps) must be imperatively torched.</p>
Overlaps	<p>The longitudinal overlap should not be less than 80 mm and should be staggered a minimum 150 mm with those of the eventual first layer.</p> <p>The endlap should not be less than 110 mm and should be staggered a minimum 300 mm with those of the first layer.</p>
Slopes	<p>If the waterproofing system is a single ply self protected, the roof slope should be $\geq 1\%$.</p> <p>If the system is doubleply self protected, the roof slope should be $\geq 0\%$.</p> <p>When the waterproofing system is under heavy protection, the roof slope should be $\geq 1\%$ and $\leq 5\%$.</p> <p>Note : when spots of COLLE PAR are used to fix one waterproofing membrane, the roof slope should be less than 20 %.</p> <p>If the roof slope $>40\%$, 4 mechanical fixings at the head of each length should be provided.</p> <p>If the roof slope is superior to 100%, in complement, the lengths should not be longer than 5m.</p>

COMPLEMENTARY INFORMATION

Values	Where 2 values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction.
Tolerances	<p>The average values derived from standard tests and are subject to the usual production variations.</p> <p>The nominal value tolerances comply with the indicated standards.</p> <p>Some slight variations can be noticed as the values are based on the average values obtained from several plants.</p>
Application	The information about purpose and methods of application of the product does not prevail against local regulation and practices if accepted by our company. In case of doubt, do not hesitate to contact our Technical Department.
Modification(s)	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the up-date technical data sheet, please contact our technical department.
Hazardous classification	It is not classified as dangerous according to the international regulation (ADR, RID, IATA, et RTMDR)
Additional information	This product is only a product technical data sheet, regarding each waterproofing design, please, consult the concerned technical agreement and in case of doubt contact our technical department.