

**304B.Derbisolar base – IMPERBEL SA**

<b>CE</b>	
0749	
Date and reference of data sheet	: 16/02/2010 Réf. 304B
Product trade name	: DERBISOLAR BASE
Producer	: IMPERBEL SA – Perwez - Belgium
EC Certificate - year and number	: 07 BC2-310-0305-0123-01
European standard reference	: EN 13707
Product description	: Plastomeric modified bitumen Reinforcements : Composite glass + polyester Surfacing : upper side : special acrylic coating back side : talk Methods of application : torched, glued, hot air Roofing system : top layer single layer not for roof gardens

<b>Packaging :</b>				
<b>Characteristics</b>	<b>Test method / Classification</b>	<b>Units</b>	<b>Expression of result</b>	<b>Values</b>
Thickness	EN 1849-1	mm	MDV	3 (± 0,2)
Length	EN 1848-1	m	MLV	12,00
Width	EN 1848-1	m	MLV	1
Surface	-	m <sup>2</sup>	MLV	12
Mass per unit area	EN 1849-1	kg/m <sup>2</sup>	MDV	3,2(± 10%)
Roll weight	-	kg	MDV	38 (± 2)
Number of rolls per pallet	-	-	-	20

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<b>Product performance :</b>				
<b>Characteristics</b>	<b>Test method / Classification</b>	<b>Units</b>	<b>Expression of result</b>	<b>Values or statement</b>
Watertightness	EN 1928 / A	-	-	Pass
External fire performance	EN 1187-1	-	Classification according to EN 13501-5	Broof (t1) Broof (t2) Broof (t3)
Reaction to fire	ISO 11925-2	-	Classification according to EN 13501-1	E
Peel resistance of joint	EN 12316-1	N/50mm	MDV	70 ± 30N
Shear resistance of joint	EN 12317-1	N/50mm	MDV	600 (± 20%)
Maximum tensile force : - longitudinal direction - transverse direction	EN 12311-1	N/50mm	MDV	1000 (± 20%) 1000 (± 20%)
Tensile elongation : - longitudinal direction - transverse direction	EN 12311-1	%	MDV	5 (± 5) 5 (± 5)
Resistance to impact	EN 12691:2006 (Method B)	mm	MLV	1250
Resistance to static loading	EN 12730 (Method A)	kg	MLV	20
Resistance to tearing	EN 12310-1	N	MLV	≥ 350
Dimensional stability	EN 1107-1	%	MLV	≤0.3
Flexibility at low temperature	EN 1109	°C	MLV	- 20
Flow resistance at elevated temperature	EN 1110	°C	MLV	120
Artificial ageing to elevated temperature : -Flexibility at low temperature	EN 1296 EN 1109	°C	MDV	- 15 (± 3)
Artificial ageing to UV + elevated temperature + water : - Visible defects - Flexibility at low temperature	EN 1297 EN 1850-1 EN 1109	- °C	MDV	No visible defects - 15 (± 3)
MLV=Manufacturer's limiting value MDV=Manufacturer's declared value				