Bendagum Minerale PL

Description	APP modified bitumen membrane for roofing works. This product is designed as top layer in multi layer waterproofing systems, for both new roofing works and refurbishment works. It is also used for pitch roofing works.
CE	Top layer in a multi layer waterproofing systems in accordance with EN13707 for flat roofs. Layer for pitch roofs in accordance with EN13859.
Field of use	Exposed not-accessible roofs, technical roofs exposed or under heavy protection. Pitch roofs.
Certifications and Agreements	CE marking - FPC certificate number 1370-CPR-0042
Composition	**Top Surface**: Mineral slate or Granules **Back Surface**: Film **Reinforcement**: Polyester reinforced with fiber glass
Method of application	Fully torch applied



Dimension and packaging	**Bendagum Minerale**	**3,5PL**	**4PL**	**4,5PL**	**5PL**
	Thickness (mm)	-	-	-	-
	Weight (kg/m2)	3,5	4,0	4,5	5,0
	Rolls (m)	1x10	1x10	1x10	1x10

Property	Test Method	Unit	Value	Tollerance
Lenght	EN 1848-1	m	10,0	-1%
Width	EN 1848-1	m	1,0	-1%
Thickness	EN 1849-1	mm	NPD	-
Weight	EN 1849-1	Kg/m2	3,5 / 4,0 / 4,5 / 5,0	±10%
Tensile strength at max	EN 12 311-1	L x T (N/50mm)	450/330	-20%
Elongation at max	EN 12 311-1 1999	L x T (%)	30/30	-15
Nail tearing resistance	EN 12 310-1	L x T (N)	130/130	-30%
Flexibility at low temperature	EN 1109	(°C)	-5	≤
Flow resistance at elevated temperature	EN 1110	(°C)	110	≥
Dimensional stability	EN 1107-1	%	±0,3	≤
Watertightness	EN 1928-B	kPa	60	≥
Vapour transmission (μ)	EN 1931	-	NPD	≥
Vapour transmission (Sd)	EN 1931	m	190 / 240 / 290 / 340	≥
Mineral surface adhesion	EN 12039	%	30	≥
Reaction to fire	EN 13501-1	-	F	-
External fire performance	EN 13501-5	-	Froof	-

Storage	This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.
Modifications	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 updated technical data sheet, please contact our technical department.