



Product Details		Unit	Tolerance	RUBY P 4,5KG MINERAL GREY
Modification of Bitumen				APP
Reinforcement				Polyester Felt
Upper surface coating				Natural Slate
Lower surface coating				PE
<b>TS EN 13707</b>				
Test	Method	Unit		
Visual defects	TS EN 1850-1			none
Mass per unit area	TS EN 1849-1	kg/m <sup>2</sup>	±10%	4,5
Length	TS EN 1848-1	m	min(-0,03)	10
Width	TS EN 1848-1	cm	min(-2)	100
Straightness	TS EN 1848-1			pass
Watertightness (10kPa)	TS EN 1928	10kPa		pass
Reaction to Fire	TS EN 11925-2			E
External Fire Performance	ENV 1187-2			B <sub>roof</sub>
Watertightness after stretching	TS EN 13897			NPD
Sheer resistance of joints	TS EN 12317-1	N/50mm	±20%	625
Water vapour properties	TS EN 1931		min	20 000
Tensile strength (MD/CMD)	TS EN 12311-1	N/50mm		600/400
Elongation (MD/CD)	TS EN 12311-1	%		30/30
Impact resistance	TS EN 12691 Mtd.A	mm	min	1500
Resistance to static loading	TS EN 12730 Mtd.A	Kg	min	15
Dimensional Stability	TS EN 1107-1	%	max	≤0,6
Cold Bending	TS EN 1109	°C	min	≤-5
Flow Resistance	TS EN 1110	°C	min	≥110
Artificial ageing +Cold flexibility	TS EN 1296/TS EN 1109	°C	0+10	8
Artificial ageing +Flow resistance	TS EN 1296/TS EN 1110	°C	0+10	0
Adhesion of granules	TS EN 12039	%	±20%	30

