

# PRODUCT DATA SHEET

n° of certification organisation: 0679  
Year mark was 1<sup>st</sup> fixed : 2006

## PAXALPHA PB 4000 COPPER

Technical ref:  
AT TOPMETAL S

### DESCRIPTION

PAXALPHA PB 4000 Copper is a glass tissue reinforced SBS elastomeric bitumen modified waterproofing membrane incorporating a metallic protective finish. Minimum selvedge width is 6.5cm.

### USE

Cap sheet in the TOPMETAL S multi-layer roof waterproofing system.

### APPLICATION METHOD

Torched.

### STORAGE

Rolls to be stored upright and away from heat.

### COMPOSITION

(indicative)

Reinforcement (gm/m <sup>2</sup> ) :	Glass tissue	60
Binder (gm/m <sup>2</sup> ) :	Elastomeric	4,900
Surface finish (gm/m <sup>2</sup> ) :	50 µm copper	400
Under surface finish (gm/m <sup>2</sup> ) :	Thermofusible film	10

### CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	8	-1%		
		Width	1	-1%		
		Straightness	-	Pass		
	EN 1849-1	Nominal roll weight	43.1			
		Thickness (on selvedge)	3.95	3.80	4.10	
Visible defects	EN 1850-1	New product	-	None		
		After ageing to EN 1297	-	NA		
Adhesion of granules	EN 12039	%	NA	-	-	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	NA	-	-	
		Cross direction	NA	-	-	
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	900	600	1500	
		Cross direction	900	600	1400	
Tensile properties : elongation	EN 12311-1	Longitudinal	4	3	18	
		Cross direction	4	3	17	
Peel resistance of joint	EN 12316-1	Maximum force	Selvedge	NA	-	-
			End joint	NA	-	-
		Average force	Selvedge	NA	-	-
			End joint	NA	-	-
Shear resistance of joint	EN 12317-1	Maximum force	Selvedge	NA	-	-
			End joint	NA	-	-
Flexibility at low temperature	EN 1109	Surface	-10	≤		
		Under surface	-10	≤		
Flow resistance at elevated temperature	EN 1110	New product	90	≥		
		After ageing to EN 1296	100	90	110	
Resistance to impact	EN 12691	mm	NA	≤		
Resistance to static loading	EN 12730 (A)	kg	NA	≥		
Dimensional stability	EN 1107-1	%	PND	≤		
Form stability under cyclic temperature change	EN 1108	%	0.03	≤		
Water vapour transmission properties	EN 1931	New product	-	µ=20000		
		After ageing to EN 1296	-	NA		
Watertightness	EN 1928	New product	-	Pass		
		After ageing to EN 1296	-	NA		
Watertightness after stretching at low temperature	EN 13897	%	NA			
Reaction to fire	EN 13501-1	-	F			
Resistance to root penetration	EN 13948	-	NA			
Dangerous substances consult : <a href="http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm">http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm</a>	-	-	None			

NA=not applicable due to use of product.  
PND=performance not determined