PRODUCT DATA SHEET

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CE

TS EN 13969

BITUPROOF Y PLUS (4.5 mm)

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PRODUCT DESCRIPTION	Elastomeric waterproofing membrane used for bundling waterproofing
USAGE	Top layer membrane in bitumen waterproof membrane tanking systems. Can also be used as single layer. Tip A - Tip T
APPLICATION METHOD	Apply torch along overlaps.
TOP SURFACE	Special mineral surfacing with enhanced bitumen mixture for excellent adhesion to freshly pured concrete.
BOTTOM SURFACE	Polyethylene film
COATING TYPE	Polyester + Custom felt (double reinforced)
STORAGE	Rolls to be stored upright and away from heat.
ECOLOGICAL DATA	Can be used in natural atmosphere

TEST	METHOD	UNIT	TOLERANCE	VALUES
Width	TS EN 1848 - 1	m	-0,02	1
Length	TS EN 1848 - 1	m	-0,03	8
Thickness	TS EN 1849 - 1	mm	±0,2	4,5
Unit Weight	TS EN 1849 - 2	kg/m²	max.	5,2
Tensile Strength (Transverse)	TS EN 12311 - 1	N/5cm	min.	800
Tensile Strength (Longitudinal)	TS EN 12311 - 1	N/5cm	min.	1000
Elongation at break (Transverse)	TS EN 12311 - 1	%	min.	35
Elongation at break (Longitudinal)	TS EN 12311 - 1	%	min.	35
Resistance to tearing (Transverse)	TS EN 12310 - 1	N	±50	300
Resistance to tearing (Longitudinal)	TS EN 12310 - 1	N	±50	300
Flexibility at low temperature	TS EN 1109	°C	min.	-20
Resistance to İmpact	TS EN 12691 (METHOD A)	mm	min.	1750
Resistance to static loading	TS EN 12730 (METHOD B)	kg	min.	25
Shear resistance of joint	TS EN 12317 - 1	N/5cm	min.	800
Flow resistance at elevated temperature	TS EN 1110	°C	min.	100
Adhesion Strength	TS EN 12316 - 1	N/5cm	min.	250
Reaction to fire	TS EN 13501 - 1	-	-	E
Watertightness	TS EN 1928 (Method B 60 kPa)	-	-	PASS
External Fire Performance	TS EN 1187	-	-	FROOF
Resistance to root penetration	TS EN 13948	-	-	NPD
Artificial aging	TS EN 1296 / TS EN 1928 (Method B 60 kPa)	-	-	PASS
Resistance to chemicals	TS EN 1847 / TS EN 1928 (Method B 60 kPa)	-	-	PASS
Dangerous substances	Doesn't contain asbestos or coal tar constituents.			

NPD = (No performance defined)

* For information and advice on the safe handling,storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet