



www.btm.co

Bitümlü Tecrit Maddeleri San. ve Tic.A.Ş.
Kemalpaşa Org. San. Bölgesi Mah. Gazi Bulvarı. No: 152
Kemalpaşa / İZMİR
Tel: +90 0232 877 04 02 (8hat)
Fax: +90 0232 877 04 10

PRODUCT DATA SHEET



TS EN 13969

BITUPROOF Y (4.5 mm)

Document number: PDS-198-05

Publication Date : 15.11.2016 Revision Date : 24.03.2023

PRODUCT DESCRIPTION	Modified bitumen tanking membrane with excellent adhesion to freshly poured concrete for blind side 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			
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/m ²	max.	5,2
Tensile Strength (Transverse)	TS EN 12311 - 1	N/5cm	±100	800
Tensile Strength (Longitudinal)	TS EN 12311 - 1	N/5cm	±100	800
Elongation at break (Transverse)	TS EN 12311 - 1	%	±10	40
Elongation at break (Longitudinal)	TS EN 12311 - 1	%	±10	40
Resistance to tearing (Transverse)	TS EN 12310 - 1	N	±50	250
Resistance to tearing (Longitudinal)	TS EN 12310 - 1	N	±50	250
Flexibility at low temperature	TS EN 1109	°C	min.	-20
Resistance to Impact	TS EN 12691 (METHOD A)	mm	min.	1000
Resistance to static loading	TS EN 12730 (METHOD B)	kg	min.	15
Shear resistance of joint	TS EN 12317 - 1	N/5cm	±100	700
Flow resistance at elevated temperature	TS EN 1110	°C	min.	100
Adhesion Strength	TS EN 12316 - 1	N/5cm	min.	100
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
Dangerous substances	-	-	-	none
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
Hydrostatic Pressure	ASTM D 5385M	m(psi)	-	70 (100)
Lateral Water Migration	ASTM D 5385M	m(psi)	-	70 (100)
Stripping from Adhered Concrete	ASTM D 903	N/m	±50	5188
Adhesion to Freshly Poured Concrete	EN 1372	N/mm		4,1

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