



SYSTEMS		PRODUCT NAME			CARRIER TYPE
EN 13707 - Underlay in multilayer system without permanent surface protection (02.U) - EN 13707 - Underlay in multilayer system under permanent heavy protection (02.BU) - EN 13969 - A - Bitumen damp proof sheet (05.D) -		FAST 3-4 MM SR POLIESTER SAND			STEADY RESISTANCE (SR) POLYESTER
		REINFORCED BITUMEN SHEETS FOR WATERPROOFING - V-PRO PLASTOMERIC MEMBRANE - APP COMPOUND			
PROPERTIES		Test Method	Unit	Tolerances	VALUE
LENGTH		EN 1848 -1	m	± 0,5%	10
WIDTH		EN 1848 -1	m	± 1%	1
THICKNESS		EN 1849 -1	mm	± 10%	3 - 4
MASS PER UNIT AREA		EN 1849 -1	Kg/m ²	± 10%	-
TENSILE PROPERTIES:MAXIMUM TENSILE FORCE	L	EN 12311-1	N/50 mm	±20%	400
	T	EN 12311-1	N/50 mm	±20%	300
TENSILE PROPERTIES:ELONGATION	L	EN 12311-1	%	±15 abs.	30
	T	EN 12311-1	%	±15 abs.	30
RESISTANCE TO TEARING	L	EN 12310-1	N	±30%	120
	T	EN 12310-1	N	±30%	120
SHEAR RESISTANCE OF JOINTS	L	EN 12317-1	N/50 mm	>=	300
	T	EN 12317-1	N/50 mm	>=	200
PEEL RESISTANCE OF JOINTS		EN 12316-1	N/50 mm	>=	NPD
RESISTANCE TO IMPACT		EN 12691	mm	>=	700
RESISTANCE TO STATIC LOADING		EN 12730-1	Kg	>=	10
DIMENSIONAL STABILITY	L	EN 1107-1	%	<=	±0,3%
	T	EN 1107-1	%	<=	±0,3%
FLEXIBILITY AT LOW TEMPERATURE		EN 1109	°C	<=	0
FLEXIBILITY AT LOW TEMP. AFTER ARTIFICIAL AGEING		EN 1296 - EN 1109	°C	<=	NPD
FLOW RESISTANCE AT ELEVATED TEMPERATURE		EN 1110	°C	>=	100
FLOW RESISTANCE AT ELEVATED TEM. AFTER ARTIFICIAL AGEING		EN 1296 - EN 1110	°C	>=	90
RESISTANCE TO ROOT PENETRATION		EN 13948	Statement	Pass	NPD
EXTERNAL FIRE PERFORMANCE		EN 13501-5	Class	Pass	F roof
REACTION TO FIRE		EN 13501-1	Class	Pass	F
WATERTIGHTNESS		EN 1928:2000 MET A	kPa	>=	60
ARTIFICIAL AGING BY COMBINATION OF UV RADIATION AND WATER		EN 1297	Statement	Pass	NPD
WATERTIGHTNESS AFTER ARTIFICIAL AGEING		EN 1296 - EN 1928	kPa	>=	60
WATERTIGHTNESS AFTER EXP. AGAINST CHEMICALS		EN 1847 - EN 1928	kPa	>=	60
FINISHING		SAND			POLYETHYLENE FILM

NPD = No Performance Determined; L = Longitudinale Direction; T = Transversal Direction. Water vapour permeability factor $\mu = 20.000$. Thermal conductivity = 0,2 W/mK

For a correct use of the product refers to the technical documentation of the supplier. All tolerances as per EN 13707, EN 13969, EN 14695, EN 13859-1, EN 13970 and LINEE GUIDA AISPEC-MBP. This datasheet contains information that can be potentially changed without notice by BRAI. The technical data and the intended uses are in accordance with the regulations in force at the time of its issuance. BRAI provides the normal product guarantee with respect to the peculiar characteristic of waterproofing.

The product does not contain asbestos, asphalt within the meaning of D.LGS(Legislative Decree) N° 285/98