Gummiflex 3 PL 12 AV

Description	High performance APP modified bitumen membrane for bridge works. This product is designed as base layer in a 2-layer waterproofing systems for road and rail bridges in accordance with EN14695.
CE	EN 14695 concrete bridge deck.
Field of use	Rail and road bridges.
Certifications and Agreements	CE marking - FPC certificate number 1370-CPR-0042
Composition	**Top Surface**: Fine sand **Back Surface**: Film **Reinforcement**: Polyester reinforced with fiber glass
Method of application	Fully torch applied



Dimension and packaging

Gummiflex 12 AV	**3PL**
Thickness (mm)	3,0
Weight (kg/m2)	3,25
Rolls (m)	1x10

Property	Test Method	Unit	Value	Tollerance
Lenght	EN 1848-1	m	10	-1%
Width	EN 1848-1	m	1,0	-1%
Visual defects	EN 1850	-	no defects	-
Thickness	EN 1849-1	mm	3,0	±5%
Weight	EN 1849-1	Kg/m2	3,25	±7%
Tensile strength at max	EN 12 311-1	L x T (N/50mm)	750/600	-20%
Elongation at max	EN 12 311-1	L x T (%)	40/40	-15
Nail tearing resistance	EN 12 310-1	L x T (N)	150/150	min
Static load – Method B	EN 12 730	Kg	35	≥
Resistance to impact	EN 12691	mm	900	≥
Joints Shear resistance	EN 12317-1	N / 50mm	650/550	-20%
Flexibility at low temperature	EN 1109	°C	-10	≤
Flow resistance at elevated temperature	EN 1110	°C	140	≥
Dimensional stability	EN 1107-1	%	±0,3	≤
Flexibility at low temperature after thermal ageing	EN1296 EN 1109	°C	-5	≤
Flow resistance at elevated temperature after thermal ageing	EN 1110	°C	NPD	-
Watertightness	EN 1928-B	kPa	500	≥
Reaction to fire	EN 13501-1	-	E	-
External fire performance	EN 13501-5	-	Froof	-

Storage	This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.
Modifications	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the updated technical data sheet, please contact our technical department.

Other Properties EN 14695	Test Method	Unit	Value	Tollerance
Water absorption	UNI EN 14223	%	1,5	≤
Determination of bond strength (concrete with Verval Primer)	UNI EN 13596	N/mm²	0,4	≥
Determination of bond strength (concrete with epoxy primer)	UNI EN 13596	N/mm²	0,8	≥
Shear strength (with Verval Primer)	UNI EN 13653	N/mm²	0,15	≥
Determination of crack bridging ability	UNI EN 14224	°C	NPD	-
Compatibility by heat conditioning	UNI EN 14691	%	NPD	-
Resistance to compaction of an asphalt layer	UNI EN 14692	-	Supera	-
Determination of the behaviour of bitumen sheets during application of mastic asphalt at 220°C	UNI EN 14693	-	NPD	-
Resistance to dynamic water pressure after damage without pre-treatment	UNI EN14694	kPa	Supera	-
Resistance to dynamic water pressure after damage by pre-treatment	UNI EN14694	kPa	NPD	-