



IZOTEKT P5 M

Waterproofing membrane with a polyester carrier and with plastomere modified bitumen

Product description

IZOTEKT P5 M is a waterproofing membrane made from a polyester reinforcement that is coated on both sides with plastomere modified bitumen. The membrane is on both sides protected by talk.

Characteristics of the product

IZOTEKT P5 M meets the standards SIST EN 14695, SIST 1031 and Technical Regulations for roads TSC 07.104. The additions of APP give high resistance against ageing, higher temperatures and shearing forces. The polyester reinforcement gives high elasticity and resistance to static and dynamic strains.

Characteristic	EN Method	Unit	Declaration SIST EN 14695 TSC 07.104
Reinforcement		Polyester fleece	
Surface protection		talk / talk	
Length	1848-1	m	≥ 7,5
Width	1848-1	m	≥ 1
Straightness	1848-1	20 mm/10m	pass
Thickness	1849-1	mm	≥ 5,0
Layer thickness of the bituminous compound under the carrier	1849-1	mm	≥ 3,0
Layer thickness of the bituminous compound above the carrier	1849-1	mm	0,5 do 1,3
Flexibility at low temperature	1109	°C	≤ - 5
Flow resistance at elevated temperature	1110	°C	≥ 130
Bitumen content	/	g/m ²	> 4200
Filler content	/	%	≤ 30
Tensile strength			≥ 700
• longitudinal	12311-1	N/50mm	≥ 700
• transversal			
Elongation			≥ 40,0
• longitudinal	12311-1	%50mm	≥ 40,0
• transversal			
Shear strength	RVS 15362	kPa	≥ 80
Dimensional stability			≤ 0,6
• longitudinal	1107-1	%	≤ 0,6
• transversal			
Dimensional stability			≤ 1,0
• longitudinal	1107-1	%	≤ 1,0
• transversal	(1h/160°C)		
Initial amount of mineral surface protection	12039 (annex B)	g/m ²	≤ 120
Water absorption	14223	%	≤ 2,0
Flexibility at low temperature after artificial aging by long term exposure to elevated temperature(12 weeks at 70 °C)	1296/1109	°C	≤ 0
Flow resistance at elevated temperature after artificial aging by long term exposure to elevated temperature(12 weeks at 70 °C)	1296/1110	°C	≥ 100
Bond strength (at 23 °C)	13596	N/mm ²	≥ 0,15
Shear strength (at 23 °C)	13653	N/mm ²	≥ 0,4
Crack bridging ability	14224	°C	≤ -10°C
Compatibility by heat conditioning (50°C/90 days) bond strength	14691	%	≥ 75
Resistance to compaction of asphalt layer	14692	/	pass
Behavior of bitumen sheet during application of mastic asphalt	14693	/	pass
Content of dangerous substances	Annex ZA	/	no

Use and installation

IZOTEKT P5 M is used as horizontal waterproofing protection in bridge constructions on roads. It is installed on preliminary prepared surfaces with **IBITOL E-5** by completely torching the surface of the membrane with a gas torch, or by hot bonding with the hot bituminous adhesive compound **BITU M**.

Storage

The rolls have to be stored in an upright position, protected against dampness and extreme temperatures. In winter it is recommended to store the rolls before installation for 24 hours at a temperature of over + 5°C.

Disposal considerations of waste

For the removal of waste of product it is necessary to follow the valid local environmental regulations.



11

The product is in conformity with **SIST EN 14695:2010, SIST 1031:2011 and TSC 07.104** .

Number EC certificate of control of quality: **1404 – CPD – 1059**.

The system of quality and handling of the environment is conform with **SIST EN ISO 9001 and 14001**.

Producer

FRAGMAT TIM d.d., Spodnja Rečica 77, SI - 3270 Laško ; www.fragmat.si

file:

Laško: Tel.: +386 (0)3 734 45 00 Fax.: +386 (0)3 734 45 63

Technical sheet

Ljubljana: Tel.: +386 (0)1 540 53 79 Fax.: +386 (0)1 524 86 94

IZOTEKT P5 M/12-01