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# DECLARATION OF PERFORMANCE

## DoP HI – 219/23-01

according to REGULATION (EU) No 305/2011 (Article 4 and Annex III)  
laying down harmonized conditions for the marketing of construction products

Unique identification code of the product-type:

## **IZOELAST REFLEX F P4**

**Elastomere bitumen sheet with polyester fleece reinforcement: 7,5 m x 1 m x 4,2 mm**  
**Surface protection: mineral granules / polymeric sheeting**

Intended use:

**Polymer bitumen sheet used as top layer in multilayer systems  
without permanent heavy surface protection (EN 13707)**

Manufacturer:

**FRAGMAT TIM d.o.o., Spodnja Rečica 77, SI-3270 Laško**

Systems of AVCP:

**System 2+**

Harmonized standard:

**EN 13707:2004+A2:2009**

Notified body:

**1404 - ZAVOD ZA GRADBENIŠTVO SLOVENIJE, Dimičeva 12, 1000 LJUBLJANA**

Declared performances:

Essential characteristics:	Performance			Harmonized technical specification
	EN method	Unit	Value	
Water tightness	1928	kPa	≥ 100	EN 13707:2004+A2:2009
Flexibility at low temperature	1109	°C	≤ -15	
Resistance to tearing <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12310-1	N	* NPD * NPD	
Shear resistance of joints <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12317-1	N/50 mm	* NPD * NPD	
Reaction to fire	13501-1	class	E	
External fire performance	13501-5	class	** B <sub>ROOF</sub> t1	
Resistance to static loading	12730/A	kg	* NPD	
Resistance to impact	12691/A	mm	* NPD	
Tensile properties <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12311-1	N/50mm	≥ 600 ≥ 550	
Elongation <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12311-1	%/50mm	≥ 35,0 ≥ 35,0	
Resistance to root penetration	13948	-	* NPD	
Flexibility at low temperature after artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1109	°C	≤ -10	
Flow resistance at elevated temperature after artificial aging by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1110	°C	≥ 90°C	
Chemical resistance	1847/13707 Annex C	-	pass	
Content of dangerous substances	Annex ZA	/	no	

\* NPD – no performance determined; \*\*system test

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Laško, 20.01.2023

Head of production:

Marko Mavri

