

**DECLARATION OF PERFORMANCE No. 139-18**
*(according to REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2011)*

1. Unique identification code of the product-type	<b>GAMMA DEHTOCHEMA</b>	
2. Type of the construction product	bitumen shingles with mineral reinforcement, <b>type 4A4X21</b> , produced in accordance with ETA-09/0280 of 05/10/2015	
3. Intended use or uses of the construction product	intended to be laid as discontinuous covering for pitched roofs with pitch $\geq 12^\circ$ and / or wall cladding where the watertightness of the system is ensured by overlapping, according to the manufacturer's installation instructions	
4. Name and contact address of the manufacturer:	<b>UAB Mida LT</b> Gamyklos g. 19, LT-96155 Gargzdai, Lithuania Tel.:+370-46455356; info@mida.lt; www.mida.lt	
5. System or systems of assessment and verification	system 4, fire safety - system 3	
6. Certification Center of Building Products (SPSC), Linkmenų str. 28, LT-08217 Vilnius, Lithuania	issued European Technical Assessment ETA-09/0280 on the basis of EAD 220020-00-0402	
7. The declared characteristics of performance were evaluated	by Factory Production Control plan according ETA-09/0280 of 05/10/2015	
7.1. FIRE RESEARCH CENTRE Reaction to fire testing division, notified body 1796, Fire and Rescue Department under the Ministry of the Interior of the Republic of Lithuania	performed reaction to fire tests and issued classification report No. 20-2.2015.24 in accordance with EN 13501-1+A1	
7.2. FIRE RESEARCH CENTRE Reaction to fire testing division, notified body 1796, Fire and Rescue Department under the Ministry of the Interior of the Republic of Lithuania	performed external fire exposure to roofs tests and issued classification report No. 20-31.2015.26 in accordance with EN 13501-5+A1	
<b>8. Declared performance</b>		
<b>Essential characteristics</b>	<b>Performance</b>	<b>Harmonised technical specification</b>
Dimensions of shingles (width / height)	1000 mm ( $\pm 3$ mm) / 317 mm ( $\pm 3$ mm)	EN 544
Thickness	2,9 mm ( $\pm 5\%$ )	EN 1849-1
Mass of bitumen	(1000 $\pm$ 150) g/m <sup>2</sup>	EN 544
External fire performance	B <sub>Roof</sub> (t1)	EN 13501-5+A1
Reaction to fire	class E	EN 13501-1+A1
Mechanical resistance:		
tensile strength (in direction of the shingle width / height)	850 N/50 mm ( $\pm 200$ N/50mm) / 600 N/50 mm ( $\pm 200$ N/50mm)	EN 12311-1
nail shank resistance	220 N ( $\pm 100$ N)	EN 12310-1
Durability of water permeability:		
Water absorption	$\leq 1,5\%$	EN 544
Flow resistance at elevated temperature	$\leq 2$ mm at 100 °C	EN 1110
Adhesion of mineral granules	$\leq 1,5$ g	EN 544
Resistance to blistering	resistant	ETA-09/0280, EN 544
Durability of mechanical resistance:		
Resistance to UV radiation	resistant	ETA-09/0280, EN 1297
Resistance to heat ageing	resistant	ETA-09/0280, EN544
Release of dangerous substances	product contains no hazardous materials	

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of UAB Mida LT by:

Chief Technologist Živilė Paulauskienė

(name and function)

Gargždai, 2018.10.01

(place and date of issue)

