PRODUCT TECHNICAL DATA SHEET
No. 105 - 6
July, 2016

JSC "Mida LT"
Gamyklos 19, Gargzdai,

CHARACTERISTICS OF THE PRODUCT:

GENERAL INFORMATION

PRODUCT: Bitumen shingles SONATA SAMBA type 6S4E21

Produced according to requirements: EN 544:2011. Bitumen shingles with mineral and/or synthetic reinforcements - Product specification and test methods.

MANUFACTURER: JSC "Mida LT", Gamyklos 19, Gargzdai
ORIGIN: Lithuania

INTENDED USE: Discontinuously laid roof covering for buildings
The bitumen shingles are tiled on pitched roofs with the inclination of ≥12°.
The bitumen shingles are used for installation of the new roofs and reconstruction of the old ones.

METHOD OF APPLICATION: On the smooth and continuous basis of pitched roofs fastens mechanically with roofing nails according to manufacturer installation instruction.

TECHNICAL DATA:

Characteristics	Test method in the EN 544 or other standards	Units	Requirements	Value or statement	Declarated tolerances
Mass of bitumen	6.2	g/m^2	≥ 1300	1300	
Height (H)	6.3	mm	minimum 250	317	± 3,0
Width (W)	6.3	mm	maximum 1200	1000	± 3,0
Tensile properties : maximum tensile force (width) maximum tensile force (height)	EN 12311-1	N/50 mm	 ≥ 600 ≥ 400	 850 600	 ± 200 ± 200
Resistance to tearing (nail shank)	EN 12310-1	N	≥ 100	220	± 100
Water absorption	6.4.3	%	< 2	≤ 1,5	
Resistance to UV radiation	EN 1297		60 cycles	Pass 60 cycles	
Blistering	6.4.5		Pass	Pass	
Flow resistance at elevated temperature	EN 1110	°C	≤2 mm at 90 °C	≤2 mm at 100 °C	
Adhesion of granules and flakes of slate	EN 12039	g	≤ 2,5	≤ 1,5	
Flexibility at low temperature	EN 1109	°C	≥ -10	- 10	
External fire performance	CEN/TS 1187	–	In accordance with EN 13501-5	B_{ROOF}(t1)*	
Reaction to fire	EN ISO 11925-2	–	EN 13501-1	E	

* Refer to Reaction to Fire Testing Division of FIRE RESEARCH CENTRE, notified body 1796, External fire exposure to roofs classification report No. 20-1.2016.26N.

REFERENCES OF MANUFACTURER:
The packages with shingles should be stored and transported in horizontal position combined on pallets and should be protected against moisture, heat and mechanical damage
The minimal recommended temperature of installation is 5 °C.
In the cold season, the packages with shingles should be kept in a warm, dry place at the temperature more than +20°C for not less than 24 hours before use.
When using bitumen fixing mastic, please apply it in thin layer not exceeding 1 mm in thickness.