

# DECLARATION OF CONFORMITY



17 d. 08 month 2011 year

Authorized representative: JSC "Mida LT",  
Gamyklos g. 19, Gargzdai, LT-96155, Lithuania. Phone: +370 46 45 53 56; fax: +370 46 45 51 67; info@mida.lt;  
www.mida.lt

Manufacturer: "TECHNONIKOLCHOVA" LLC  
Vostochny promuzel, 21, Bld 58  
390000, Ryazan, Russia  
phone (4912) 911-228, 911-221;  
fax (4912) 911-221; www@shinglas.ru

EN 544

Bitumen shingles for roof covering  
Type 4X2

External fire performance: F ROOF  
Reaction to fire: Class E

The Authorized representative JSC "Mida LT", declares under its sole responsibility that the product  
**LAMINATED SHINGLES (DRAGON TOOTH)**

Product Passport No.1 (August, 2011)

to which this declaration relates is in conformity with the following standard

EN 544:2005 *Bitumen Shingles with mineral and/or synthetic reinforcements*

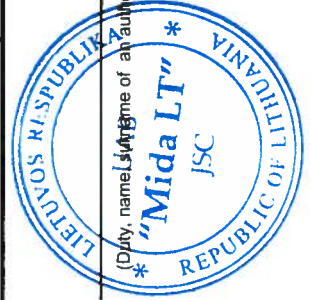
and can be used for installation of the new pitched roofs and reconstruction of the old ones.

Method of application: it fastens mechanically to the smooth and continuous basis of pitched roofs with roofing nails according to the manufacturer installation instruction.

**Manufacturer references:**

1. Do not use this material on pitched roofs the inclination of which is  $\leq 12^\circ$ .
2. Packages with shingles should be stored in horizontal position combined on wooden pallets no more than 12 rows of packages in height and should be protected against moisture, heat (temperature not higher than  $+40^\circ\text{C}$ ) and mechanical damage.
3. In the cold season the material should be kept at the temperature not lower than  $(20\pm 3)^\circ\text{C}$  not less than 24 hours before installation.
4. Surrounding temperature during installation should be not less than  $+6^\circ\text{C}$ .

Characteristics	Test method according to EN 544:2006 or other standards	Units	Value or statement	Declared tolerances
Mass of bitumen	6.2	$\text{g/m}^2$	1350	$\pm 50$
Height (H)	6.2	mm	335	$\pm 3,0$
Width (W)	6.3	mm	1000	$\pm 3,0$
Tensile properties: maximum tensile force (width) maximum tensile force (height)	EN 12311-1	N/50 mm	800 600	$\pm 200$ $\pm 200$
Resistance to tearing (nail shank)	EN 12310-1	N	200	$\pm 100$
Water absorption	6.4.3	%	$\leq 1,5$	
Resistance to UV radiation	EN 1297		Pass 60 cycles	
Blistering	6.4.5		Pass	
Flow resistance at elevated temperature	EN 1110	$^\circ\text{C}$	$\leq 2$ mm at $90^\circ\text{C}$	
Adhesion of granules and flakes of slate	EN 12039	g	$\leq 1,5$	



(Duty, name, surname of an authorized person)

(Signature)