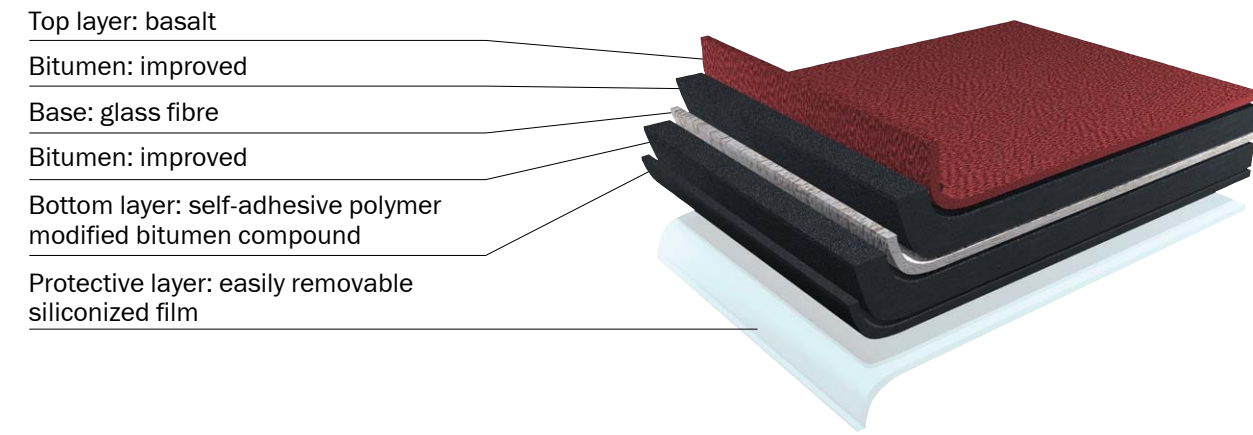
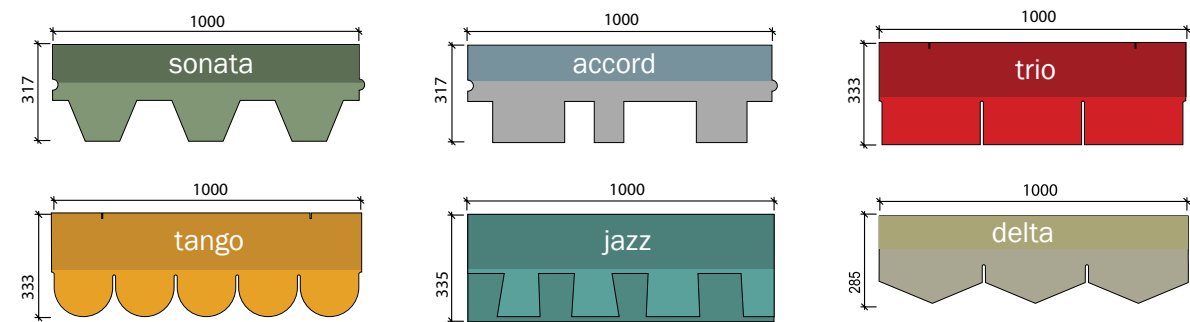


SHINGLAS structure



Shapes of SHINGLAS cuts



Underlay carpets



Physical and mechanical properties

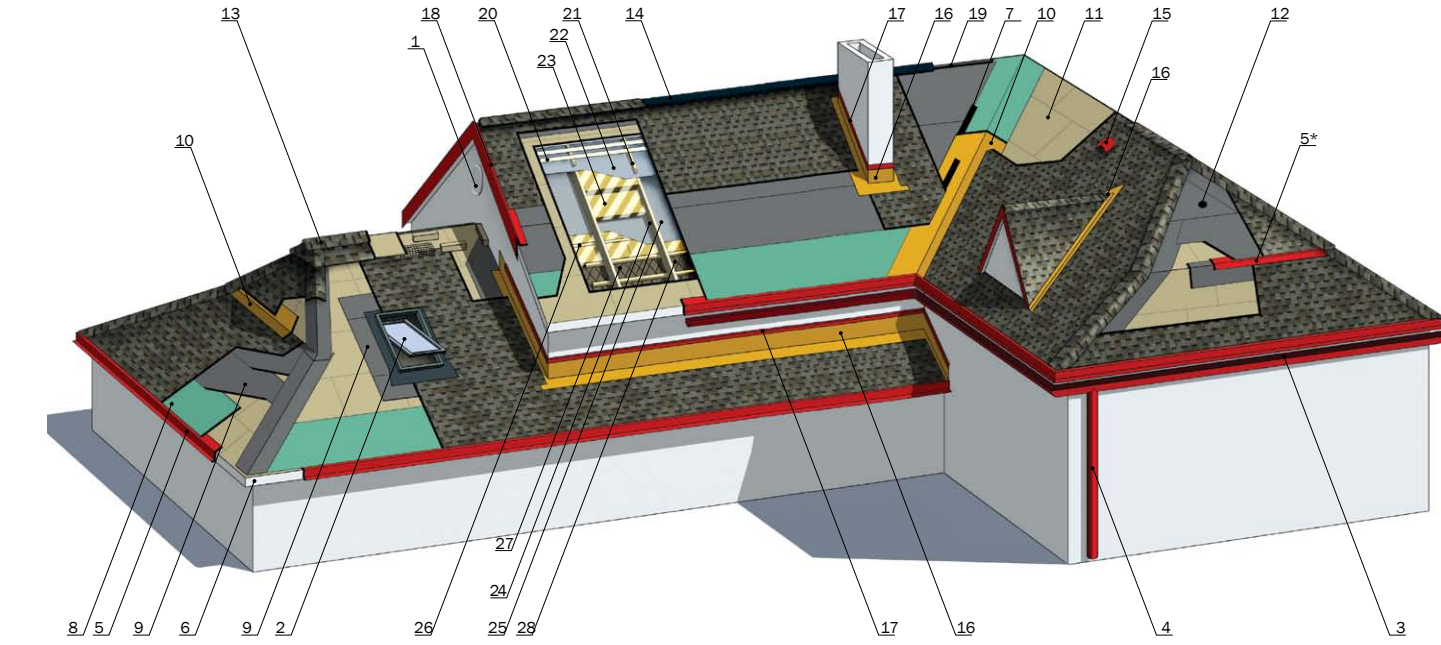
Main physical and mechanical characteristics	Valley carpet MIDA UNIFLEKS EKM	Polymer-bitumen underlay ANDEREP PROF	Underlay carpet MIDA START	Self-adhesive underlay carpet MIDA SELF PV S2,0s
Manufacturing standard	EN 13707	EN 13707	EN 13707	EN 13707
Base	polyester	polyester	polyester	polyester
Type of polymer/modifier	SBS	SBS	SBS	SBS
Water tightness	100%	100%	100%	100%
Package of finished roofing	10 lm	15 lm	15 lm	15 lm
Package weight	46 kg	24 kg	12,8 kg	43,5 kg
Weight of 1 m ² of finished covering**	4,6 kg	1,6 kg	0,9 kg	2,9 kg
Installation method	b	b	b	a

a – self-adhesion with mechanical fixing to the roof base
b – glued using TechnoNICOL adhesive compound No. 23 (FIXER) with mechanical fixing to the roof base

Quality management system certified to ISO 9001:2008



Roof arrangement schematic



- Gable grating
- Dormer window
- Eave trough
- Downpipe
- Hood mold
- Frontal board
- Asphalt compound
- Self-adhesive carpet
- Underlay carpet
- Valley carpet
- Wood decking
- Hole for ventilation pipe
- Ventilation ridge
- Continuous ridge vent
- Point slope vent
- Abutment from valley carpet
- Abutment slat
- End slat
- Air gap in solid base
- Thin batten
- Counter batten
- Superdiffusion membrane
- Thermal insulation
- Truss principal
- Vapor barrier
- Counter insulation
- Metal wire d=2 mm, pitch 250 mm, or special screen
- Two layers of gypsum plasterboard

Physical and mechanical properties

Main physical and mechanical characteristics	SHINGLAS-Jazz	SHINGLAS-Country	SHINGLAS-Art	SHINGLAS-Ultra	SHINGLAS-Classic	SHINGLAS-Standard	Hip and ridge tile
Manufacturing standard	EN 544	EN 544	EN 544	EN 544	EN 544	ETA 09/0280	ETA 12/0264
Base	glass fibre	glass fibre	glass fibre	glass fibre	glass fibre	glass fibre	glass fibre
Type of polymer/modifier	—	—	APP	SBS	—	—	SBS
Water tightness	100%	100%	100%	100%	100%	100%	100%
Package of finished roofing	2 m ²	2 m ²	3 m ²	3 m ²	3 m ²	3 m ²	3 m ²
Package weight	30 kg*	27 kg*	26,7–33,6 kg*	28,5 kg*	27,0–33,3 kg*	25,5–31,5 kg*	24,6–29,4 kg*
Weight of 1 m ² of finished covering**	15 kg	13,5 kg	9,6 kg	9,6 kg	8,5–10,5 kg	8–9,5 kg	8,2–9,8 kg
Installation method	a	a	a	a	a	a, b	a, b

* depends on the shape of cuts (sonata, accord, trio, tango, delta)
** weight of 1 m² of roof covering for roof load capacity calculation; depends on the shape of cuts (sonata, accord, trio, tango, delta)
a – self-adhesion with mechanical fixing to the roof base
b – glued using TechnoNICOL adhesive compound No. 23 (FIXER) with mechanical fixing to the roof base

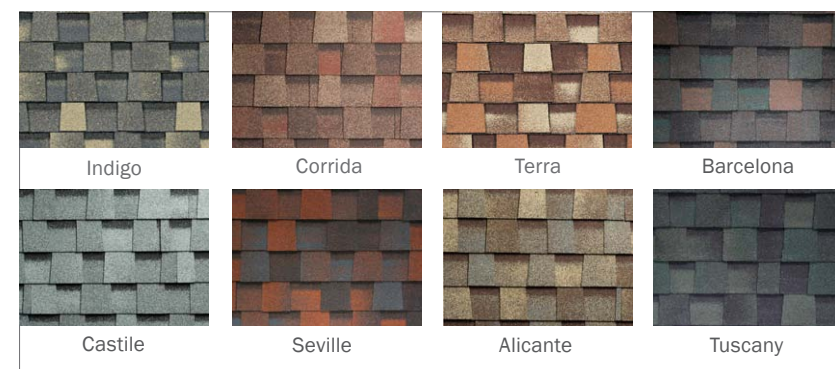


www.shinglas.com, www.mida.lt

Collection

20
14

JAZZ series EN 544

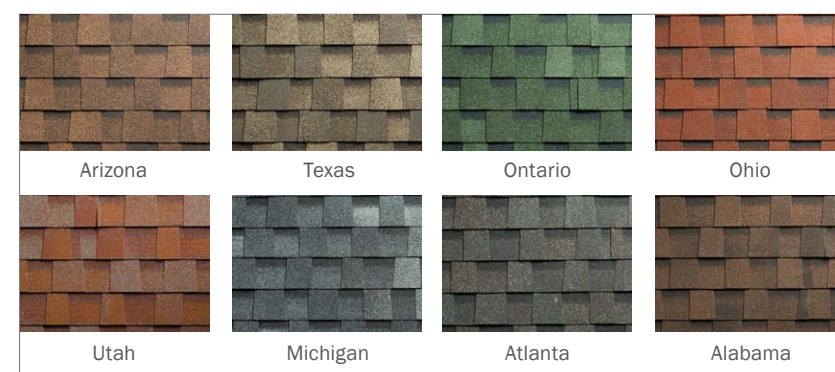


50 year warranty

The JAZZ series SHINGLAS tile (laminated) is a premium product intended for original designer solutions. The multi-layered SHINGLAS has increased strength, wind resistance and durability, and adds volume to a roofing structure.

COUNTRY series EN 544

NEW

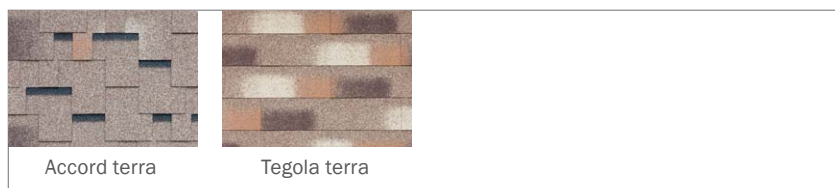


35 year warranty

"COUNTRY" is a new line of laminated shingles produced under "SHINGLAS" trademark. Its extended range of colors helps you to realize various architectural ideas. The new collection of reliable and durable two-layer bitumen shingles will give your roof a wonderful three-dimensional image.

ART series EN 544

NEW



35 year warranty

ART – a new series of atactic polypropylene (APP) modified roofing shingles featuring a special play of colours and outstanding performance.

ULTRA series EN 544



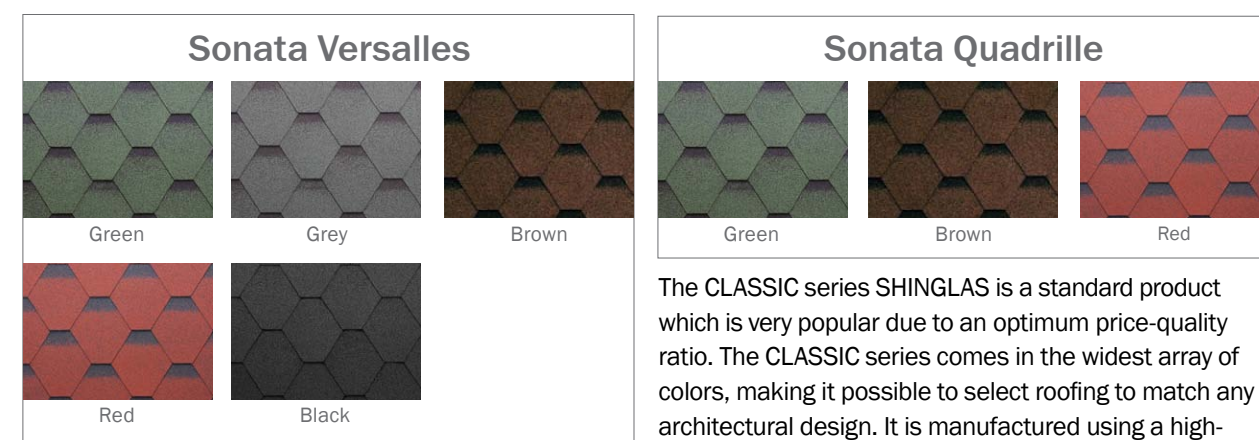
25 year warranty



The ULTRA series SHINGLAS is made from asphalt using a SBS-modifier which allows the material to attain excellent physical and mechanical properties and improves its frost resistance and elasticity.

CLASSIC series EN 544

15 year warranty



The CLASSIC series SHINGLAS is a standard product which is very popular due to an optimum price-quality ratio. The CLASSIC series comes in the widest array of colors, making it possible to select roofing to match any architectural design. It is manufactured using a high-quality asphalt binder.

STANDARD series ETA 09/0280

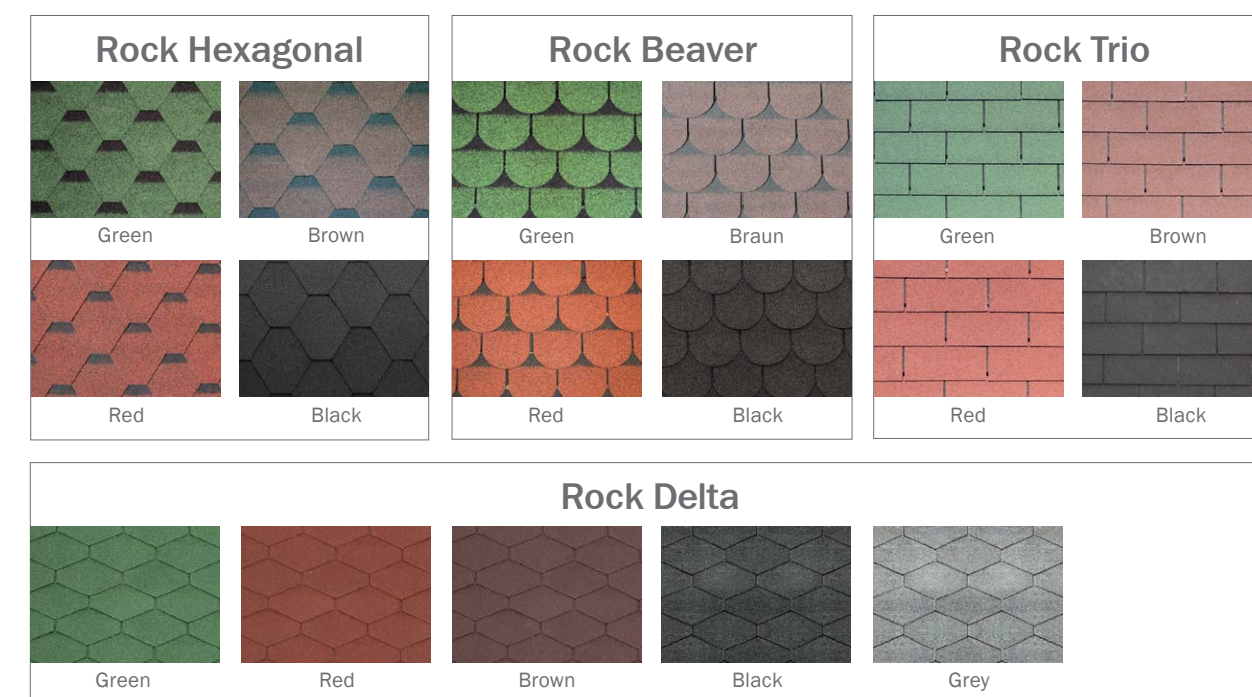
10 year warranty



STANDARD ROCK series

10 year warranty

ETA 12/0264



STANDARD SMART series

10 year warranty

ETA 12/0264

Top layer: slate



The STANDARD series is an ideal solution for the practically minded, who first of all appreciate cost effectiveness, but want to buy reliable and modern roofing material.

Actual colours may vary. If color match is critical please request a color sample.

<p>Mastic FIXER</p>  <p>Application areas: – gluing of seams of flexible shingles and other bitumen-based materials; – binding bitumen-based materials to brick, concrete, metal, wood, ceramic and other surfaces. Operating temperature range from -5 °C to +40 °C.</p>	<p>Self-adhesive sealing band NIKOBAND</p>  <p>NIKOBAND is a universal self-adhesive sealing band. The material is easy and convenient to use, and it bonds ideally to concrete, plaster, metal, bitumen, stone, wood and other surfaces. The sealing band is designed for sealing seams and joints, repairing cracks, waterproofing, and corrosion protection. Color: ■ ■ ■ ■</p>
<p>TechnoNICOL continuous ridge vent</p>  <p>It is used to remove excess sub-roof moisture. The hip&ridge shingles matching the basic color of the roof are installed on the ridge vent. This gives a finished aesthetic appearance and makes the ridge vent unnoticeable on the roof. Rate of flow: 1 vent covers ~ 20–25 m². Dimensions: 0,61x0,29 m.</p>	<p>TechnoNICOL D110 ventilation outlet</p>  <p>It is used to ventilate the sewer system and to remove all odors and vapors generated by food preparation. We recommend that you use it on the roofs of summer houses. Dimensions: D_{of the outlet} is 110 mm H_{of the pipe} is 500 mm Color: ■ ■ ■ ■</p>
<p>TechnoNICOL KTV ventilation component</p>  <p>It is used to remove excess subroof moisture on roofs that are not ridged. It is fixed to the roof by a pass component under the shingles at the moment of their installation. Rate of flow: 1 ventilation unit covers ~ 5–10 m². Dimensions: D_{of the outlet} is 110 mm. Color: ■ ■ ■ ■</p>	<p>TechnoNICOL insulated ventilation outlet, D125/160</p>  <p>It is used to ventilate the sewer system and to remove all odors and vapors generated by food preparation. We recommend that you install it on the roofs of structures with year-round occupancy. It is not subject to icing even during prolonged frost. Dimensions: D_{of the pipe} is 125 mm D_{of the pipe (external)} is 160 mm H_{of the pipe} is 500 mm Color: ■ ■ ■ ■</p>
<p>TechnoNICOL SKAT roof valve</p>  <p>It is used on pitched roofs with a slope of 5° with a flat surface (flexible shingles, metal-seamed roofing, flat asbestos cement sheets) directly on the roofing surface. Rate of flow: 1 ventilation unit covers ~ 5–10 m². Dimensions: D_{of the outlet} is 110 mm Color: ■ ■ ■ ■</p>	<p>TechnoNICOL SKAT pass roofing component</p>  <p>It serves as the basis for the installation of ventilation or sewage outlets. It is used on pitched roofs with a slope of 5° with a flat surface (flexible shingles, metal-seamed roofing, flat asbestos cement sheets) directly on the roofing surface. Dimensions of the passage opening are 25*16 cm. Color: ■ ■ ■ ■</p>
<p>TechnoNICOL PILOT ventilation component</p>  <p>It is used to remove excess subroof moisture on roofs that are not ridged. It is fixed to the roof under the shingles at the moment of their installation. Rate of flow: 1 ventilation unit covers ~ 5–10 m². Dimensions: D_{of the outlet} is 110 mm</p>	<p>TechnoNICOL KTV pass component</p>  <p>It serves as the basis for the installation of ventilation or sewage outlets. It is fixed to the roof under the shingles at the moment of their installation. Dimensions: passage opening is 25*16 cm, the base measures 57*48 cm. Color: ■ ■ ■ ■</p>
<p>TechnoNICOL D110/D160 hood</p>  <p>It is used to provide an aesthetic appearance to roofing pass components and prevent precipitation from seeping in case it is applied in roofing passages that are used for roof space ventilation. The D110 hood is used in conjunction with the D110 ventilation outlet; the D160 hood, with the D125/160 insulated. Dimensions: h = 190 mm, d = 200 mm. Color: ■ ■ ■ ■</p>	<p>TechnoNICOL antenna and pipe seals</p>  <p>It is installed together with the roof, with the skirt under the soft roofing. Dimensions: 1. D 10 mm – 75 mm 2. D 90 mm – 175 mm</p>