

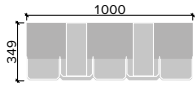


ROOFING SHINGLES

COLLECTION OF COLORS

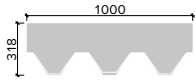
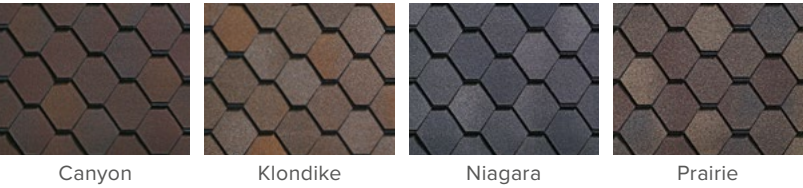
CONTINENT collection EN 544

Triple-layer roofing shingles are an elite material. They resemble antique stone roofing tiles and create an incredible ultra-dimensional look.



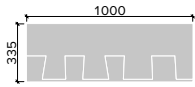
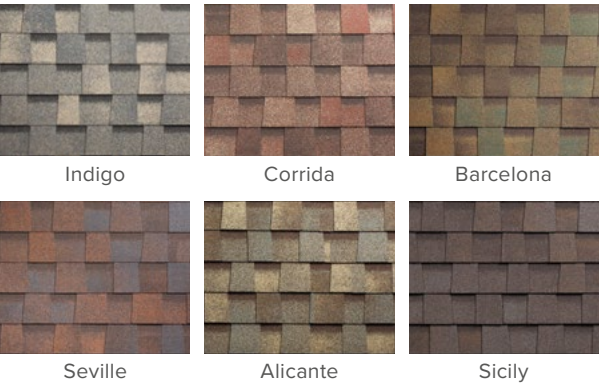
WESTERN collection EN 544

The patent design of these double-layer roofing shingles has no analogues in the world. It is an incredible holographic effect embodied in a classic pattern. WESTERN collection is an inimitable range of colors and excellent performance.



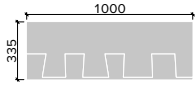
JAZZ collection EN 544

An exquisite color palette, an intricate play of hues and a dramatic 3D profile. A special pattern creates an appealing look of natural handmade tiles like slate or wooden shakes. These double-layer roofing shingles have an increased thickness and stand out for their enhanced endurance and wind resistance. The nailing area is additionally reinforced with glass threads that ensure improved flexibility, tear strength and overall reliability.



COUNTRY AR collection EN 544

COUNTRY AR (algae resistant) collection of double-layer roofing shingles comprises incredible color solutions that imitate diverse nature's shades and nuances. Vibrant color blends and expressive shadow lines create a wonderful dimensional visual image.



NOTE: Actual product colors may vary slightly from the colors shown in the catalogue. If color hue is critical for you, please request full-size samples before making your final choice.

CLASSIC series EN 544

CLASSIC series covers a wide array of attractive colors and various cutting patterns to suit any taste. A high-grade bitumen compound is used to produce these single-layer roofing shingles of assured quality.



Hazelnut

Nutmeg

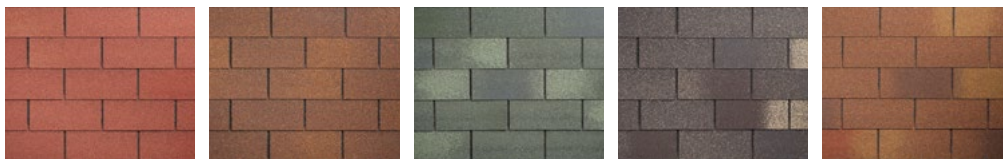
Peanut



Maple

Autumn

Fir



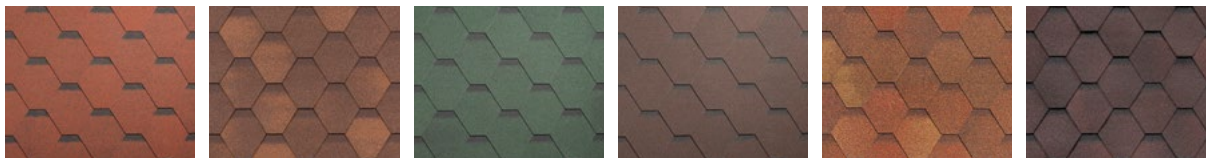
Granada

Brown

Valencia

Aragon

Toledo



Tourmaline

Onyx

Nephrite

Agate

Jasper

Garnet



Marble

Plateau

Dune

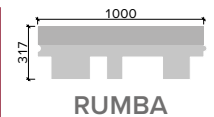
Glacier

Barkhan

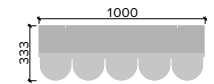
Shelf

**30
YEARS**

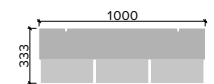
MANUFACTURER'S
WARRANTY



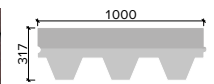
RUMBA



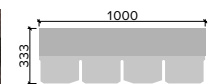
TANGO



FLAMENCO



QUADRILLE



MODERN

TECHNONICOL hip & ridge & starter shingles



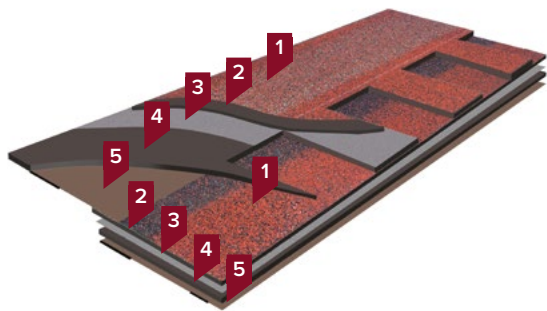
Hip & ridge & starter shingles produced with SBS-modified bitumen are extremely flexible. These pre-cut shingles can be separated into three smaller pieces for further application on hips and ridges to add the perfect aesthetic finish to your roof. Maximum protection against wind, snow and rain is provided. Available in a wide range of colors to match any chosen roofing color solution.

Dimensions: 1 m × 0.25 m.

Package: 12 lin. m (hip & ridge) / 20 lin. m (starter strip).



Multilayer roofing shingles composition



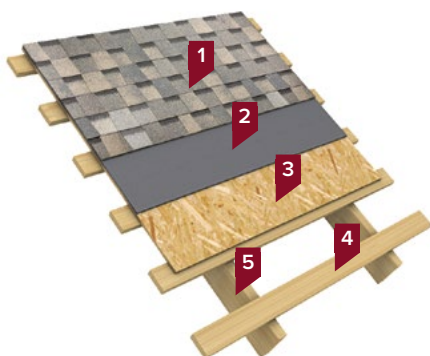
Roofing shingles are the construction material for the residential roofing application that is used on roof slopes of 12° or greater. It is the smartest solution for a complex or intricate roof design. Bitumen shingles do not fade; they are resistant to harmful environmental impacts, decay, corrosion, fire damage, and, what is very important, they perform well in extreme temperatures.

COMPONENTS:

1. Basalt colored granules
2. Bitumen compound
3. Fiberglass reinforcement
4. Bitumen compound
5. Underside protection

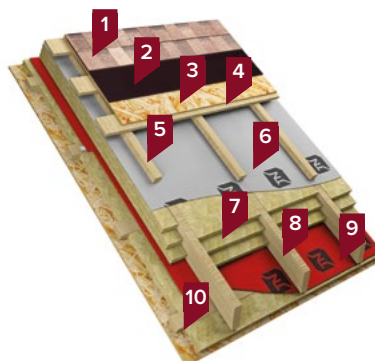
Systems

System without thermal insulation



1. Roofing shingles by TECHNINICOL
2. Underlay bitumen membrane by TECHNINICOL
3. Wood decking
4. Counter battens
5. Rafter

System with thermal insulation of stone wool



1. Roofing shingles by TECHNINICOL
2. Underlay bitumen membrane by TECHNINICOL
3. Wood decking
4. Counter battens
5. Ventilation space battens
6. Diffusion membrane TECHNINICOL ALPHA
7. TECHNINICOL stone wool slabs
8. Rafter system
9. Vapor barrier film TECHNINICOL ALPHA
10. Attic ceiling

Specifications

Roofing shingles by TECHNINICOL fully comply with EN 544 – European standard for bitumen shingles known for its strict requirements for the minimum mass of bitumen in products (1300 g/m² – for single-layer roofing shingles and 1500 g/m² – for multilayer ones). Our commitment to quality control, best raw materials and up-to-date technology guarantee years of superior performance to every customer.

PROPERTIES	MULTILAYER				SINGLE-LAYER					
	CONTINENT	WESTERN	JAZZ	COUNTRY	CLASSIC					HIP & RIDGE
					RUMBA	TANGO	FLAMENCO	QUADRILLE	MODERN	
Warranty, years	60	55	60	50	30	30	30	30	30	-
Base per layer	Fiber-glass 110	Fiber-glass 110	Fiber-glass 90	Fiber-glass 90	Fiber-glass 110	Fiber-glass 110	Fiber-glass 110	Fiber-glass 110	Fiber-glass 110	Fiber-glass 100
Thickness per layer, mm	3.2±0.2	3.0±0.2	3.0±0.2	2.7±0.2	3.0±0.2	3.0±0.2	3.0±0.2	3.0±0.2	3.0±0.2	3.4±0.2
Bundle weight, kg	38.1	26.4	27.0	31.2	24.3	30.9	32.7	24.3	31.5	27.5
Weight per sqm, kg/m ²	25.4	17.6	13.5	12.0	8.1	10.3	10.9	8.1	10.5	5.5
Coverage per bundle, m ²	1.5	1.5	2.0	2.6	3.0	3.0	3.0	3.0	3.0	5.0 12 lin. m (hip & ridge) or 20 lin. m (starter strip)
Quantity on the pallet, m ²	45.0	54.0	84.0	93.6	135.0	108.0	108.0	135.0	108.0	200

Gallery



Underlay bitumen membranes



UNDERLAY NEXT SELF

Self-adhesive non-reinforced SBS-modified bitumen membrane UNDERLAY NEXT SELF is used as an underlay on pitched roofs with continuous rigid wood decking (OSB-3, plywood, tongue or groove planks). The use of self-adhesive underlay membranes is mandatory in zones of valleys and eaves as these areas are most prone to leakages.



UNDERLAY PRO (S) 500

Ultralight SBS-modified bitumen membrane UNDERLAY PRO (S) 500 is used as an underlayment for roofing shingles in systems of pitched roofs with mechanical fixation (nailing). The material has additional strength granted by polyester reinforcement. Also available in a variation with longitudinal thermoactive bitumen overlap strips for increased convenience and speed of application – UNDERLAY PRO (S) 500 stick.



UNDERLAY BASE 1500

SBS-modified bitumen membrane UNDERLAY BASE 1500 is used as an underlayment for roofing shingles in systems of pitched roofs with mechanical fixation (nailing). Both sides of the material are covered with fine-grained sand that prevents applicators from slipping from the pitched roof. Also available in a variation with longitudinal thermoactive bitumen overlap strips for increased convenience and speed of application – UNDERLAY BASE 1500 stick.



UNDERLAY BASE 900

SBS-modified bitumen membrane UNDERLAY BASE 900 is used as an underlayment for roofing shingles in systems of pitched roofs with mechanical fixation (nailing). The light weight of the membrane makes application on the roof slope easier and safer. Both sides of the material are covered with fine-grained sand that prevents applicators from slipping from the pitched roof.

PROPERTIES	TEST METHOD	UNDERLAY NEXT SELF	UNDERLAY PRO (S) 500	UNDERLAY BASE 1500	UNDERLAY BASE 900
Mass per unit area, kg/m ²	EN 1849-1	1.0±0.1	0.5±0.1	1.5±0.1	0.9±0.1
Length × width, m	EN 1848-1	25 × 1	25 × 1	15 × 1	20 × 1
Flexibility at low temperature, °C	EN 1109-1	≤-15	≤-20	≤-20	≤-5
Flow resistance at elevated temperature, °C	EN 1110	≥90	≥120	≥95	≥95
Elongation L / T, %	ASTM D5147	20±10 / 20±10	40±10 / 40±10	4±2 / 4±2	4±2 / 4±2
Tensile strength L / T, N/50 mm	ASTM D5147	600±200 / 600±200	500±150 / 400±100	400±100 / 400±100	400±100 / 400±100
Tear resistance L / T, N	ASTM D4073	500±100 / 500±100	180±50 / 180±50	100±50 / 100±50	100±50 / 100±50
Reinforcement type		no base	polyester	fiberglass	fiberglass
Protective covering type on the top		polypropylene fabric	spunbond	fine-grained sand	fine-grained sand
Protective covering type on the bottom		anti-adhesion film	fine-grained sand	fine-grained sand	fine-grained sand

Self-adhesive sealant tape



NICOBAND

NICOBAND sealant tape is a very convenient way to seal various cracks and joints. Can also be used to insulate junctions, for roofing repairs and for roof repair systems. The special UV protection layer increases its service life outdoors and the assortment of colors makes it suitable for any roof. NICOBAND sealant tape is very easy to use and its application requires no special skills. The sealing function of the tape extends for its full lifetime (10 years) thanks to a specially formulated polymer-bitumen binder.

Width, cm	5	7.5	10	15	20	30
Length 3 m	+	+	+	+	-	-
Length 10 m	-	+	+	+	+	+

Diffusion membranes



TECHNONICOL ALPHA TOP

TECHNONICOL ALPHA TOP diffusion membrane is intended for the protection of the thermal insulation layer of pitched roofs and ventilated facade systems from harmful impacts of water, wind and dust. This two-layer material consisting of the non-woven polyester base and a vapor-permeable thermoplastic polyurethane coating has the ability to adsorb and retain moisture during periods of high humidity and to remove accumulated moisture in the dry season.



TECHNONICOL ALPHA VENT

TECHNONICOL ALPHA VENT diffusion membrane is intended for the protection of the thermal insulation layer of pitched roofs and ventilated facade systems from harmful impacts of water, wind and dust. The material available in a wide range of surface densities to fit any project and area of application is made of a functional microporous waterproofing layer reinforced with non-woven polypropylene fabric from both sides. Provided longitudinal self-adhesive overlap strip increases convenience and speed of application.

Vapor barrier films



TECHNONICOL ALPHA BARRIER 4.0

TECHNONICOL ALPHA BARRIER 4.0 is a four-layer energy-saving reinforced polyethylene film with an aluminium coating protected by a transparent polyester covering. The aluminium layer provides excellent protection against water vapor ingress into the thermal insulation and structure in general though increasing its service life without repair. It also contributes to energy saving while reflecting a significant portion of thermal energy inside the house, thus reducing air conditioning and heating costs. Can be applied in buildings with any interior humidity conditions.



TECHNONICOL ALPHA BARRIER 3.0

TECHNONICOL ALPHA BARRIER 3.0 is a three-layer translucent reinforced polyethylene film with a non-woven underlayer. Thanks to its translucent structure, the film allows timely detection and correction of thermal insulation defects and provides visual quality control of performed works and conditions of utilities. Mesh reinforcement and increased surface density ensure the high strength of the film, enabling it to withstand loads of thermal insulation and shrinkage of structural elements. Can be applied in buildings with dry and normal interior humidity conditions.



TECHNONICOL ALPHA BARRIER 2.0

TECHNONICOL ALPHA BARRIER 2.0 is a two-layer non-reinforced film with a non-woven polypropylene base and a polyolefin coating. The material demonstrates outstanding elasticity even under temperatures below zero. The marking lines on the top side of the material make installation easier, especially in the zones of overlapping. Can be applied in buildings with dry and normal interior humidity conditions.

Ridge ventilation component



TECHNONICOL ridge ventilation

A necessary element for pitched roofs that helps to remove excess moisture out of the roofing system. The product is equipped with a special filter to protect it from precipitation and insects. Hip & ridge shingles (matching a basic roof color) are installed over the ridge ventilation to make it unnoticeable and to finalize the look of the roof. One ridge ventilation normally covers 20-25 m².

Dimensions: 0.61 m x 0.29 m.

Adhesive bitumen mastic



Mastic TECHNONICOL FIXER

Ready to use adhesive bitumen mastic TECHNONICOL FIXER presents a mix of high-quality bitumen, special polymers, additives, fillers and organic solvents. The mastic provides excellent adhesion of bitumen-based materials (e.g. roofing shingles, polymer-bitumen membranes) to the application surface (wood, metal, concrete, brick, ceramic, etc.). The material is used for sealing joints, penetrations, overlaps, connections made with the use of bitumen-based materials.

PROPERTIES	PERFORMANCE
Consumption for installation of 1 layer, kg/m ²	1.0
Package volume	buckets of 3.6 and 12 kg, cartridge of 310 ml

About TECHNONICOL Corporation

TECHNONICOL Corporation is the leading manufacturer and supplier of roofing, waterproofing, thermal insulation and sound absorption materials. The company was founded in 1992 and since then has accumulated considerable experience in the building materials market. We are proud to offer up-to-date materials and technologies that combine global expertise and elaboration of our own R&D centers. A wide range of high-quality materials and reliable solutions allows making a choice that is best suited to the customer both in price and in quality.

The manufacturer's management system is certified to ISO 9001:2015, the internationally recognized standard that indicates a company's adherence to quality management practices and minimizes potential risks to customers. Having strong faith in the Lean manufacturing philosophy TECHNONICOL Corporation built in quality control in every process at the production site. Our experts thoroughly test raw materials, do sampling inspection, constantly improve in-process control techniques to offer roofing solutions of the superior quality.



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