



2019

**INLINE HOCKEY SURFACE AND PUCKS
MULTI SPORTS SURFACES
www.stilmat.cz**

STILMAT

Product catalogue 2019



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Stilmat s.r.o.

Orlicka 1102, 564 01 Zamberk

IČO: 48170496

DIČ: CZ48170496

Stilmat R-Evo

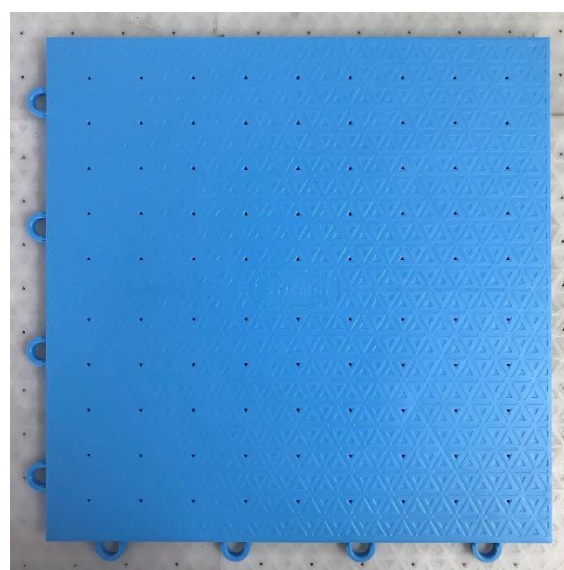


Stilmat R-Evo is the most advanced and matured indoor tile Stilmat has ever produced. Yes, this is **R-Evolution**. Stilmat R-Evo has been developed especially for inline hockey but it can be used for various sports from futsal or basketball to floorball and badminton. Stilmat R-Evo's surface with triangles gives you 100 % sureness on skates or shoes, high speed and great slip of puck, its perfectly flat shape protects passes and shots from bouncing and its strong and stable material shows you what it can after a lot of years of use. Years of cooperation with **professional inline hockey clubs and players** all over the world have helped us to bring you the most developed tile in the World. Only four but strong locks make it possible to be combined with our outdoor tiles and other products. Our Stilmat Indoor tiles have

been used for **FIRS Inline Hockey World Championships** and we will carry on with this cooperation with our revolution tile. We offer tiles in wide range of various colours for our customers to lay down floor of their needs. Stilmat R-Evo provides comfortable slip together with stability and thanks to its solidity also very good ball bounce when used on solid surface. Special coloured flexible tape is used for lining of fields.

Stilmat R-Evo is also suitable for **disabled athletes** and various **wheelchair sports** can be performed on this floor.

The tile is made from **100 % recyclable** material and when used out, it can be grinded and the material used for new floor.





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Stilmat Indoor tile

Technical data of:

IN LINE INDOOR STILMAT TILE

	Polypropylene sports floor Stilmat is usable in industrial area, on boats and in ports, it is also suitable for residential space	
Material	Polypropylene with mineral fillers, ecological	
Dimensions	335 x 335 mm	
Thickness	13 mm	
Thickness of the upper wall	3 mm	
Weight of tile	481 g	
Surface load at temperature +19 °C	Surface:	Max. load:
	1 cm ²	100 kg
	1 dm ²	1 000 kg
	1 m ²	3 500 kg
Weight of 1000 m ²		4 329 kg

			Unit	Rate
Slip resistance			o	13,7 o= R10
Absorption of water 24h			%	<0,1
Move resistance			Mpa	32
Flection resistance			Mpa	1340
Coefficient of linear expansion			% per 1°C	0,007
Friction	EN 13036-4		PTV	85
Shock absorption	EN 14808	With 6 mm foil	%	27,3
Vertical deformation	EN 14809	With 6 mm foil	mm	1,05
Resistance to rolling load	EN 1569		mm	0,25
Resistance to wear/abrasion	EN ISO 5470-1		mg	3,5
Reaction to fire, classification	EN 13238, 13501-1			B/fi-s2

Thermal dilatation:

Extension 0,007 % per 1 °C

Calculation figure of prolongation: $(0,00007 \times \text{floor length}) \times (\text{temperature difference in } ^\circ\text{C})$

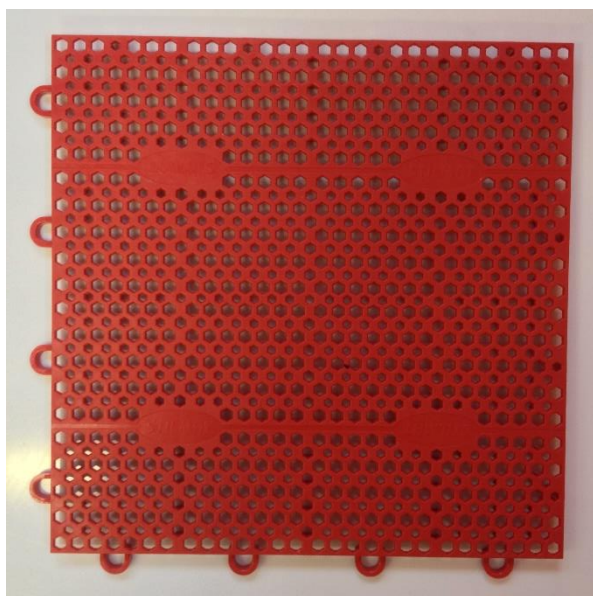
Calculation figure of length after prolongation: original length + extension



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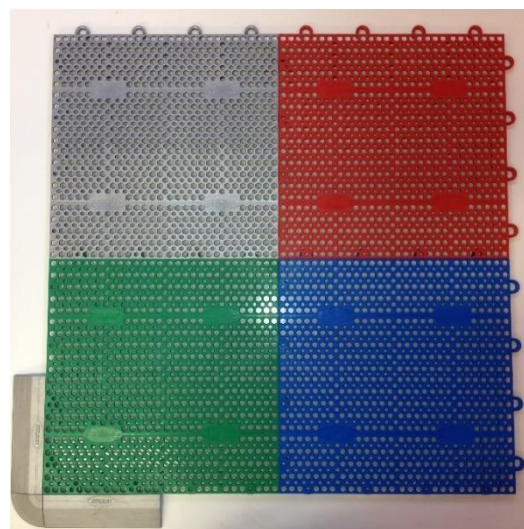
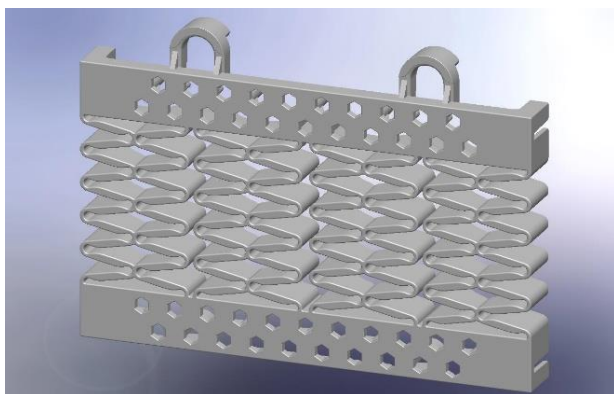
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Stilmat Outdoor Multisport tile



Stilmat Outdoor Multisport tile is a new tile for various sports played outdoor. It can be used for inline hockey but it was developed specifically for playgrounds and fields for ball sports like volleyball, football, basketball or badminton played outdoor. Thanks to its solidity Stilmat Outdoor Multisport tile provides perfect ball bounce and ball control while it is non-slippery for shoes when dry. This type of tile with lot of big holes in its surface can breathe through and gets dry very

quickly. Thanks to the perforation it is also easily maintained. This kind of flooring can be used also for industrial use or residential areas. Special expanding tiles are used together with all our outdoor tiles to prevent damage to tiles from excessive expand of floor, its twist, movement of whole floor due to different temperatures in various parts of floor, or its elevation. Lining of fields is painted on the tiles. Floor edge can be covered with Stilmat Edge Ramps.





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Stilmat Outdoor Multisport tile

Technical data of:

MULTISPORT OUTDOOR STILMAT TILE

	Polypropylene sports floor Stilmat is usable in industrial area, on boats and in ports, it is also suitable for residential space	
Material	Environmentally friendly UV stabilized polypropylene with mineral filling substance	
Dimensions	335 x 335 mm	
Thickness	13 mm	
Thickness of the upper wall	3 mm	
Weight of tile	441 g	
Surface load at temperature +19 °C	Surface:	Max. load:
	1 cm ²	100 kg
	1 dm ²	1 000 kg
	1 m ²	3 500 kg
Weight of 1000 m ²		3 969 kg

			Unit	Rate
Anti-slip resistance values on dry and wet conditions			%	95 dry cond. 65 wet cond.
Water absorption	EN 12 616	min. 150 mm / hour	mm / hour	4 500
Shock absorption	EN 14 808		%	49
Deformation D			mm	1
Flexural strength			Mpa	1 340
Coefficient of linear expansion			% per 1°C	0,008
Relative height of bounce of basket ball			%	97
Relative height of bounce of tennis ball			%	99
Anti-slip resistance -values on dry and wet conditions			%	95 dry cond. 65 wet cond.
Water absorption	EN 12 616	min. 150 mm / hour	mm / hour	4 500

Expansion: 0,008 % per 1 °C:

Formula for the size of the expansion: (0,00008 x length of the floor) x (number of increased degrees)

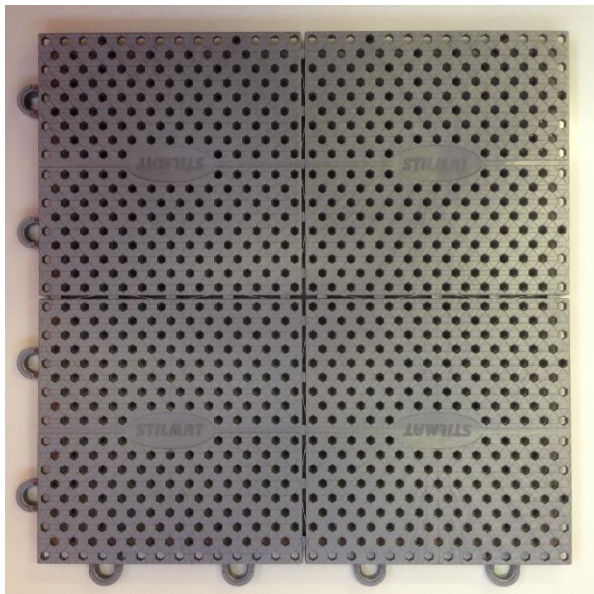
Formula for the length of floor after the expansion: Initial length + Length of the expansion



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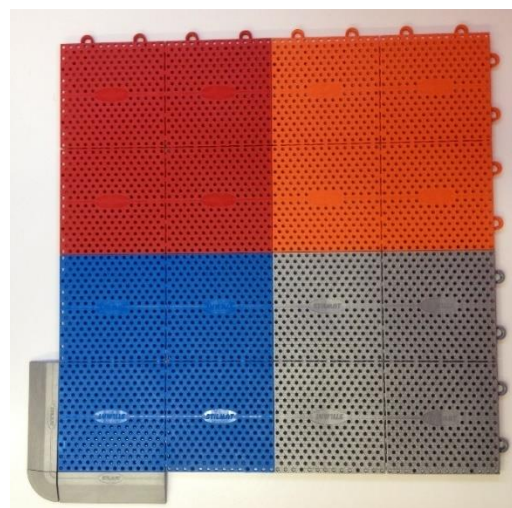
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Stilmat Outdoor Inline tile



Stilmat Outdoor Inline Skating tile with its newly designed surface provides great stability on skates while its surface brings you easy slip of puck. Very low friction provided by specially adjusted surface of Stilmat Outdoor Inline tiles helps inline hockey players feel the puck on their sticks and handle it as easy as on Stilmat Indoor. Also other sports are played on this tile like football, basketball, volleyball or badminton. Stilmat Outdoor Inline was developed specifically for outdoor use. It is

made from mixture of materials that makes tiles stable when temperature varies a lot. Tiles have expanding lines itself, so there do not have to be used as many expanding tiles as with Stilmat Outdoor Multisport. Less expanding tiles means more Stilmat Outdoor Inline tiles and better skating braking, turning and puck handling on floor. Material of Stilmat Outdoor Inline is so strong and stable that floor can be covered by ice and it does not have to be removed from rink over winter. This tile can be laid down either on even solid surface or on soft surface when textile or gum is used underneath. Floor edge can be covered with Stilmat Edge Ramps.





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Stilmat Outdoor Inline tile

Technical data of:

INLINE OUTDOOR STILMAT TILE

	Polypropylene sports floor Stilmat is usable in industrial area, on boats and in ports, it is also suitable for residential space	
Material	Environmentally friendly UV stabilized polypropylene with mineral filling substance	
Dimensions	335 x 335 mm	
Thickness	13 mm	
Thickness of the upper wall	3 mm	
Weight of tile	412 g	
Surface load at temperature +19 °C	Surface:	Max. load:
	1 cm ²	100 kg
	1 dm ²	1 000 kg
	1 m ²	3 500 kg
Weight of 1000 m ²		3 708 kg

			Unit	Rate
Anti-slip resistance values on dry and wet conditions			%	95 dry cond. 65 wet cond.
Water absorption	EN 12 616	min. 150 mm / hour	mm / hour	4 500
Shock absorption	EN 14 808		%	49
Deformation D			mm	1
Flexural strength			Mpa	1 340
Coefficient of linear expansion			% per 1°C	0,008
Relative height of bounce of basket ball			%	97
Relative height of bounce of tennis ball			%	99
Anti-slip resistance -values on dry and wet conditions			%	95 dry cond. 65 wet cond.
Water absorption	EN 12 616	min. 150 mm / hour	mm / hour	4 500

Expansion: 0,008 % per 1 °C:

Formula for the size of the expansion: (0,00008 x length of the floor) x (number of increased degrees)

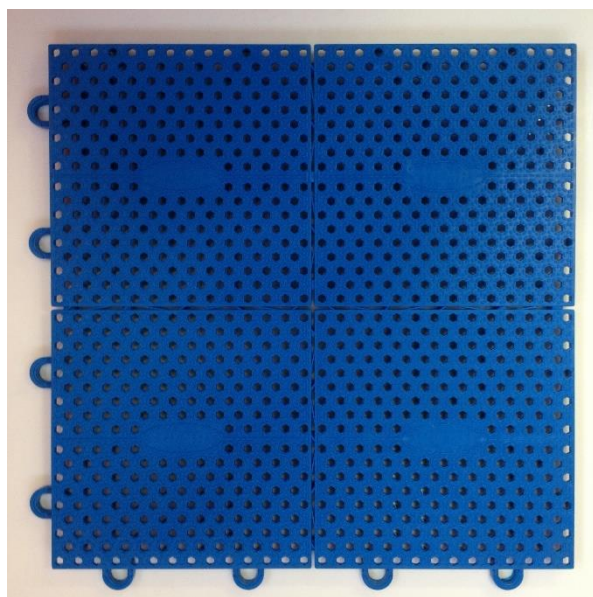
Formula for the length of floor after the expansion: Initial length + Length of the expansion



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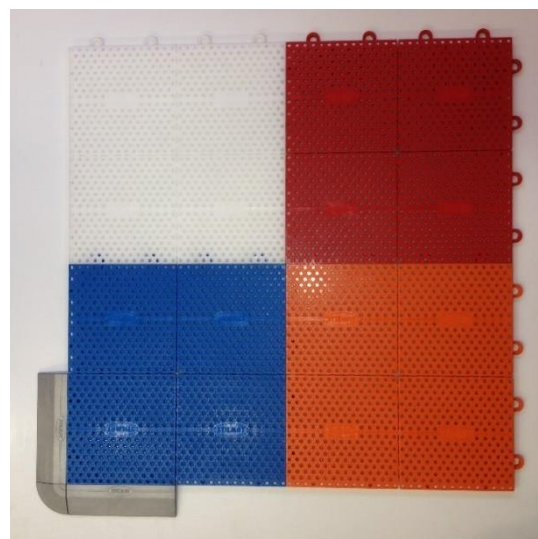
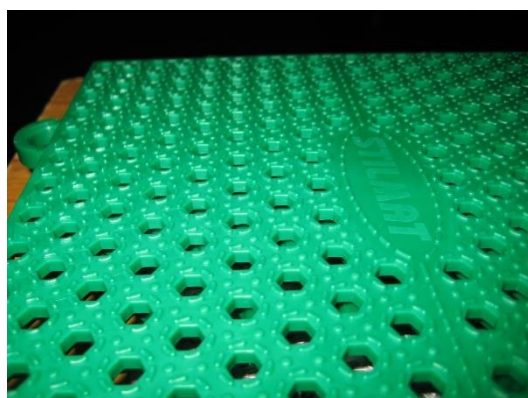
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Stilmat Outdoor Tennis tile



Stilmat Outdoor Tennis tile shape is based on older product used for outdoor inline hockey and other sports. Its surface is specially adjusted for needs of running athletes and for tennis ball bounce and rotation. Its little dots on the surface provides 100% stability of shoes and great friction of ball (tennis ball especially). Thanks to its specific surface floor provides very good friction even when wet and is used around swimming pools, too. Our Stilmat Outdoor Tennis has been given a

certificate for ball hockey and has been used as floor for ball hockey World Championships. It is not recommended for inline hockey because its sharp surface and high friction can damage inline hockey skates' wheels quickly. Stilmat Outdoor Tennis gives you 100% certainty and safety with your shoes when running, turning and breaking even when it is raining or when you run barefoot around swimming pool. This tile can be laid down either on even solid surface or on soft surface when textile or rubber underlay is used underneath. Floor edge can be covered with Stilmat Edge Ramps.





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Stilmat Outdoor Tennis tile

Technical data of:

TENNIS OUTDOOR STILMAT TILE

	Polypropylene sports floor Stilmat is usable in industrial area, on boats and in ports, it is also suitable for residential space	
Material	Environmentally friendly UV stabilized polypropylene with mineral filling substance	
Dimensions	335 x 335 mm	
Thickness	13 mm	
Thickness of the upper wall	3 mm	
Weight of tile	412 g	
Surface load at temperature +19 °C	Surface:	Max. load:
	1 cm ²	100 kg
	1 dm ²	1 000 kg
	1 m ²	3 500 kg
Weight of 1000 m ²		3 708 kg

			Unit	Rate
Anti-slip resistance values on dry and wet conditions			%	95 dry cond. 90 wet cond.
Water absorption	EN 12 616	min. 150 mm / hour	mm / hour	4 500
Shock absorption	EN 14 808		%	49
Deformation D			mm	1
Flexural strength			Mpa	1 340
Coefficient of linear expansion			% per 1°C	0,008
Relative height of bounce of basket ball			%	97
Relative height of bounce of tennis ball			%	99
Anti-slip resistance -values on dry and wet conditions			%	95 dry cond. 90 wet cond.
Water absorption	EN 12 616	min. 150 mm / hour	mm / hour	4 500

Expansion: 0,008 % per 1 °C:

Formula for the size of the expansion: (0,00008 x length of the floor) x (number of increased degrees)

Formula for the length of floor after the expansion: Initial length + Length of the expansion

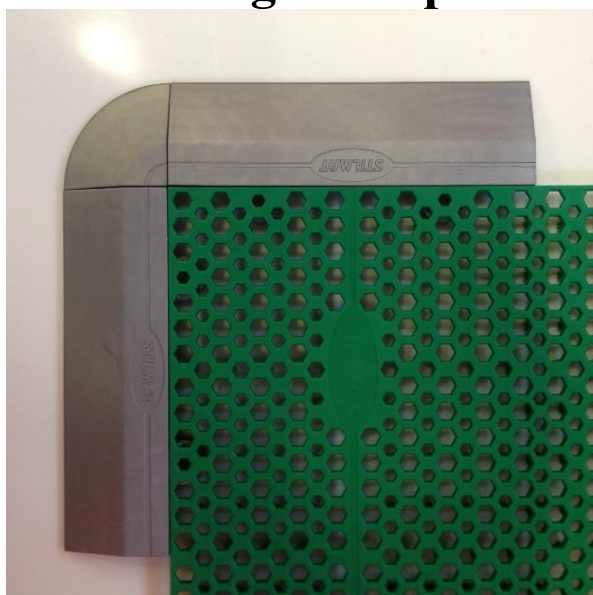


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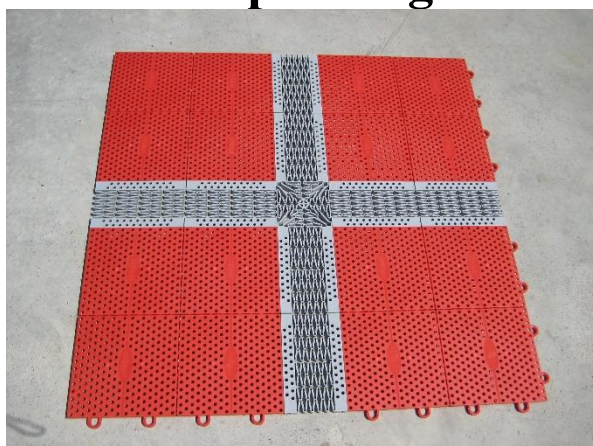
Stilmat Accessories

Stilmat Edge Ramps



Stilmat Edge Ramps are used for covering flooring edges in open space. They can be combined with all our outdoor tiles. Floor looks better, game is safer.

Stilmat Expanding Tiles



Stilmat Expanding Tiles are used for outdoor flooring to cover temperature differences for the floor to stay flat and in the initial position. Expanding tiles are a part of an order.



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Stilmat Inline Puck



Stilmat Inline Puck is the Official Inline Hockey Puck for FIRS World Championships and it is worth being called this. Many years of development together with inline and ice hockey players have brought you the best puck inline hockey is played with. We worked on its form and design for lot of years and at the end the Puck was born perfect. Its weight

is suitable for professionals as well as for beginners and it is used all over the World. It is offered in 4 basic colours- black, red, orange and white.

