

FUNICE

SYNTHETIC ICE PANELS

FUNICE ARE PRESSED PLASTIC PANELS FABRICATED FROM A SPECIAL COMPOUND AND PROVIDE GLIDING PROPERTIES MOST SIMILAR TO NATURAL ICE. THESE PANELS REPRESENT A VIABLE ALTERNATIVE TO ARTIFICIAL ICE-RINKS, MAKING ICE-SKATING POSSIBLE ALMOST ANYWHERE, AT ANY TIME.



ABOUT US

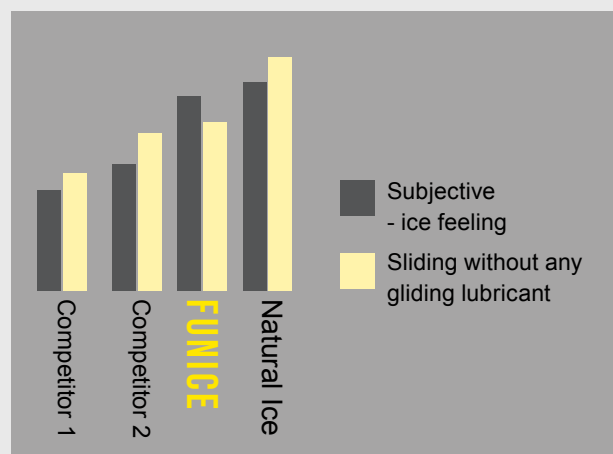
We are a European company with more than 40 years experience in the field of technical plastics. We have factory plant and equipment that has been dedicated to making synthetic ice panels. Our own R&D team provides design innovation and quality with excellent gliding properties.

KEY BENEFITS

- Better gliding properties than any competitor's product
- No need to apply a gliding solution → skating on a dry, clean surface!
- Our products' gliding properties are most similar to natural ice
- Full service
- Engineering and project planning
- Installation
- Turnkey projects
- Surface renewal
- Ice skating is possible 365 days a year!
- Indoor and outdoor usage
- Suitable for fixed and mobile ice skating rinks due to its simple and quick installation
- Low cost of ownership, no water and electricity are needed
- Simple maintenance

Vast experience

- More than 170,000 m² of panels successfully installed





ABOUT THE MATERIAL

Our **FUNICE** panels are fabricated from the base material **KOTERM 500 (HMWPE)** which is compounded with special synthetic additives in order to provide enhanced gliding properties without requiring the additional application of a gliding lubricant, since the panels are self-lubricating.

Technical data		
Material: KOTERM 500 HMWPE		
	Norm	Value
Density		0.95 g/cm ³
Coefficient of linear expansion *	DIN 53752	1.5 ² x 10 ⁻⁴ K ⁻¹
Impact strength (CHARPY)	ISO 179	Does not break

Panel dimensions		
Standard rink dimensions [m]**		
Thickness*** [mm]	Size [mm]	Assembly System
10, 13	1170 x 1170	ePuzzle System
15, 19, 23	1170 x 1170	Puzzle System
18, 20	1200 x 2000 or 1000 x 2000	LW-System, L-System

* Panels can resist more than 50°C

** Different dimensions and special shapes upon request

***Different thicknesses available upon request

Connecting Systems available

LW-System, L-System



ePuzzle System



Puzzle System



LOGO SKATING PANELS

The logo is printed on a special paper and then heat pressed to the panels. The color is absorbed into the material and the panels can be skated on without damaging the logo.

DASHER BOARDS

Can easily be used for recreational and professional skating and indoor applications. It is also highly suitable for mobile rinks, since it can easily be assembled and disassembled.

Frame and supporters: metal zinc construction with concrete weights
Wall: PE-HD-sheet (8-12mm, white)



Dimensions*

- Height: 1070 mm
- Players' gate width: 700 mm
- Top sill 12 mm made of blue PE500
- Kick protection plate 10-15 mm made of yellow PE500

* Upon request, dimensions can be varied

Standard design of our dasher boards are either rounded corners with a radius of 7.65 m or right-angled corners. On demand we can produce also other designs and shapes.

REFERENCES

FUNICE has already been successfully installed in several countries throughout Europe and Asia.



Permanent

- Gozd, Poland (400 m²), 2008
- Ostrowiec Swietokrzyski, Poland (400 m²), 2008
- Starachowice, Poland (400 m²), 2008
- Bottrop, Germany (800 m² and 400 m²), 2009
- St. Pölten, Austria (ca. 350 m²), 2010
- Emmen, Switzerland (460 m²), 2010
- Weitling, Austria (86 m²), 2011
- Zugerberg, Switzerland (600 m²), 2011
- Ashgabad, Turkmenistan (800 m²) 2011, (340 m²), 2012
- Winterberg, Germany (380m²), 2013
- Bratislava, Slovakia (500m²), 2014
- Dorohoi, Romania (308m²), 2014
- Sliač, Slovakia (264m²), 2015
- Guangzhou, China (200m²), 2017
- Turkey (over 8500m² for more than 60 projects; schools, public rinks), 2014-2022
- Gangyuan, China (1000m²) 2018, (400m²) 2020
- Valais, Switzerland (120m²) 2019

Temporary

- Zagreb, Croatia (ø round 12 m), 2005
- Rijeka, Croatia (400 m²), 2005
- Velenje, Slovenia (400 m²), 2005
- Ljubljana, Slovenia (200 m²), 2008
- Bovec, Slovenia (106 m²), 2011
- Ashgabad, Turkmenistan (340 m²), 2011
- Zreče, Slovenia (215m²), 2014
- Rogaška Slatina, Slovenia (160m²), 2016
- Slovenske Konjice, Slovenia (220m²), 2013-2022
- Shooting zone in Eurovea, Bratislava, 5/2018
- Bistria, Romania (600m²), 2021, 2022

Special application

- Hockey shooting zones, hockey training areas
- Hockey treadmill gliding elements
- Curling synthetic ice track
- Bob track finish area (Winterberg, 2013)
- Surface for sensory fields/computer software tracking area (Bad Aibling, 2013)

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