

Member of *Constantia* Industries AG

FunICE

Synthetic Ice Panels



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❄️ FunICE SYNTHETIC ICE PANELS

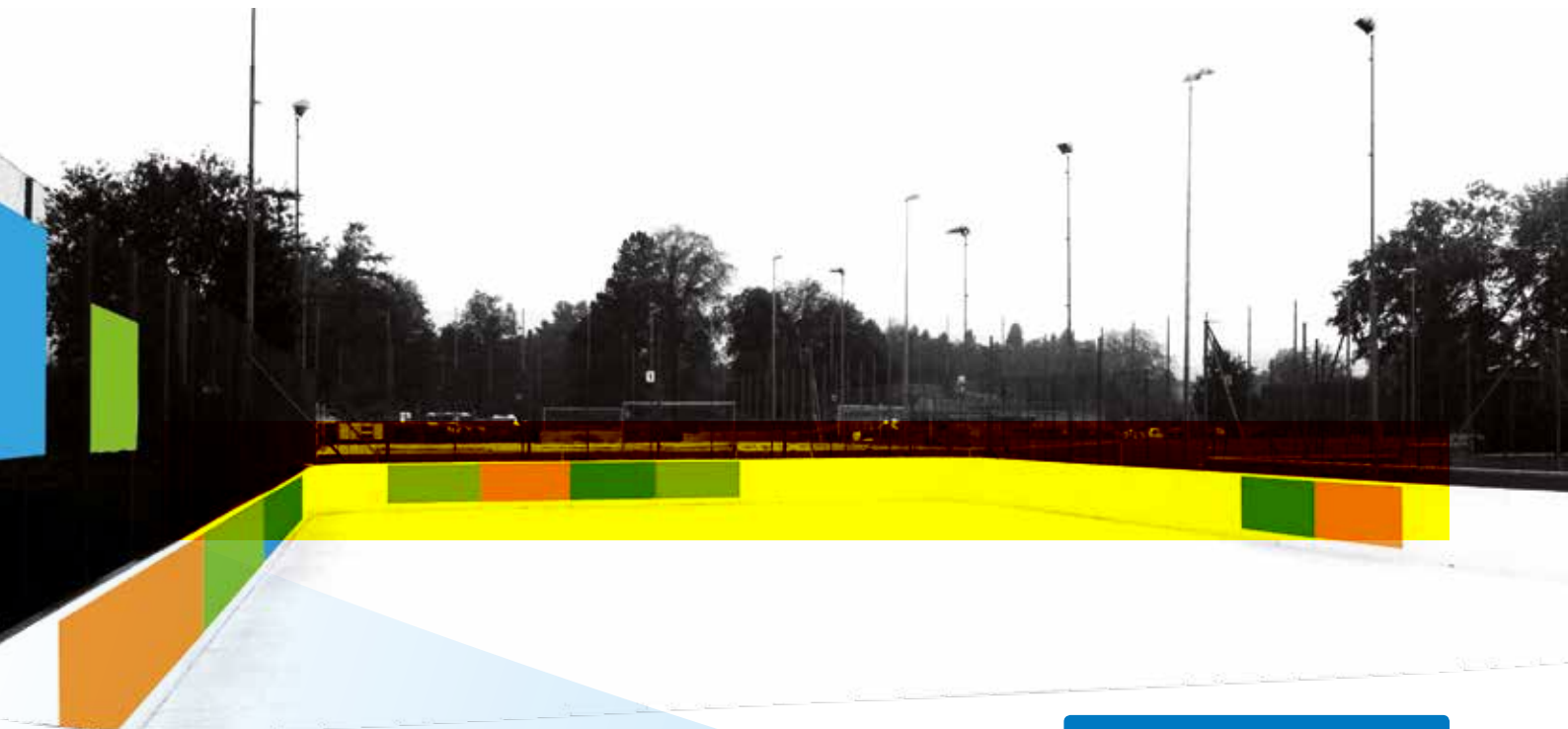
FunICE are pressed plastic panels fabricated from a special compound and provide gliding properties most similar to “real” ice. These panels represent a viable alternative to artificial ice-rinks, making ice-skating possible almost **anywhere**, at **any time** and at an incredibly **reasonable price**.

❄️ 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.

There are three types of FunICE panels available:

- FunICE Premium – special additives
- FunICE Standard – additives for improved sliding properties
- FunICE Eco – basic version without any additives



■ Subjective – ice feeling
■ Sliding without any gliding lubricant



We are especially proud of the excellent gliding properties of our Premium-Generation, which has the best gliding properties of all synthetic ice panels available on the market.



❄️ Why FunICE?

- 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**

- **Long product lifetime** of more than 10 years, AND, gliding properties improve with the increasing number of scratches on the surface
- Ecologically and environmentally friendly
- **Completely recyclable**
- Usage with the usual ice skating equipment

☀️ Why work with us?

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 "real" ice

Full service

- Engineering and project planning
- Installation
- Turnkey projects
- Surface renewal

Vast experience

- More than 30,000 m² of panels successfully installed

☀️ APPLICATIONS

- Leisure time installations, sport parks and sport centres
- Home training installations: tread mills, shooting zones, stick handling
- Ice-hockey, speed and figure skating, curling
- Shopping centres
- Sport shops
- Events, fairs, theatres, etc.
- Hotels
- Entertainment and holiday parks

☀️ SOME REFERENCES

FunICE has already been successfully installed in several countries throughout Europe and even in Malaysia, Asia.

Temporary rinks

- Zagreb, Croatia (diam 12 m²), 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

Permanent rinks

- Botton, Germany (800 m² and 400 m²), 2009
- St. Pölten, Austria (ca. 350 m²), 2010
- Weitling, Austria (86 m²), 2011
- Emmen, Switzerland (460 m²), 2010
- Gozd – Poland (400 m²), 2008
- Ostrowiec Swietokrzyski, Poland (400 m²), 2008
- Starachowice, Poland (400 m²), 2008
- Ashgabad, Turkmenistan (800 m²) 2011, (340 m²), 2012
- Zugerberg, Switzerland (600 m²), 2011



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 |
| Dynamic coefficient of friction ** | | 0.09 – 0.17 |
| 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 |
| 19, 23 | 1170 x 1170 | Puzzle System |
| 20 | 1000 x 2000 | L-System |

* Panels can resist more than 50°C

** Valid for the non-lubricated Eco-version; friction is lower for the standard and premium generations and when applying a gliding solution!

*** different dimensions and special shapes upon request

**** different thicknesses available upon request



Connecting Systems available

L-System



ePuzzle System



Puzzle System

