



TIVAR® ICE

The New Reference In Sliding Applications – Ice Rinks

Trends

Ice skating is no longer an activity dependent on special or seasonal conditions and locations where ice needs to be maintained. People want to enjoy skating almost anywhere, indoors or outdoors, in traditional spots like in the city or countryside, or more exotic or even tropical places like at the beach or in the desert.

Operating an ice rink commonly raises concerns on energy usage, operating costs and indoor climate. Thermal conditions can differ significantly, the humidity in indoor installations involves corrosion problems with steel structures, decay in wooden structures and related issues such as air quality.

Answering energy awareness and operating efficiency questions are top priorities when managing ice rink facilities. Whether these are public ice skating rinks for fun or rinks for ice hockey training for (semi-) professional hockey clubs - Quadrant's TIVAR® ICE offers answers to these concerns.

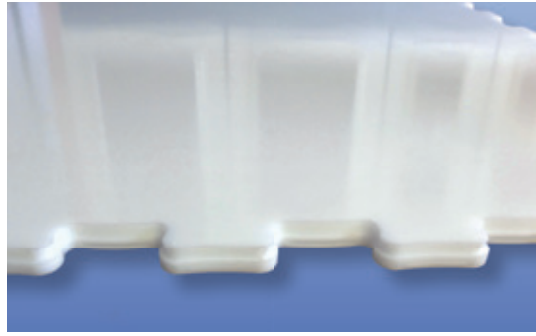
Quadrant's TIVAR® ICE

Quadrant developed TIVAR® ICE, a Polyethylene material grade with optimal and durable sliding properties for skating rinks. A unique pressing process of raw materials and an integrated lubricant gives this product self lubricating qualities which exceed other synthetics and eliminate the need to add external lubrication.

Skating rinks lined with TIVAR® ICE can be operational 365 days a year, all day long, regardless of weather or temperature conditions.

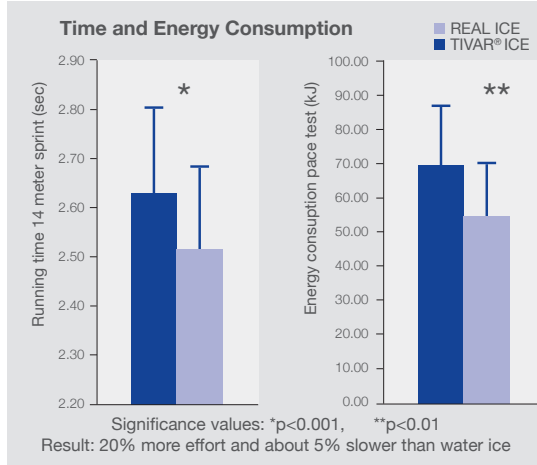
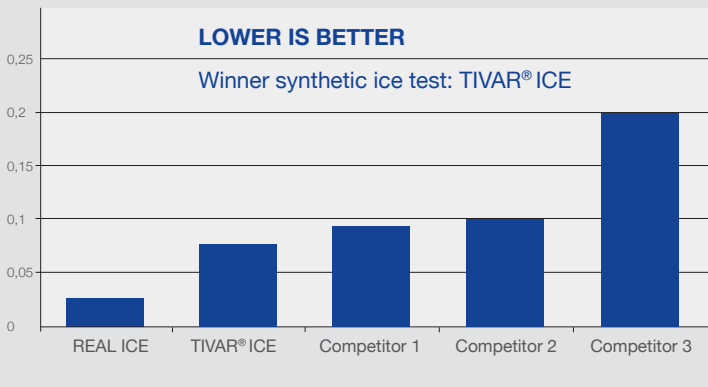
TIVAR® ICE Benefits

- Eliminates on going energy consumption
- Ecological and economic product
- Simple installation
- For inside and outdoor use
- Resistant against sun, water and snow
- Available in virtually any size
- No special skates required
- Increased profits due to reduced time for maintenance



Quadrant's Click-Puzzle system – standard plate size 983 x 983 mm

Coefficient of Friction



SOURCE: Stefan Dörig, Universität Basel, Institut für Sport und Sportwissenschaften

Material Characteristics

- Based on a premium pressing procedure of virgin raw material and selected additives
- Excellent surface conditions
- Extraordinary gliding comfort vs traditional synthetic materials
- Auto lubricant properties
- UV stable for outdoor use
- Very good abrasion resistance
- Optimal resistance to notches
- Very high impact resistance
- Reduced internal strain less and no deformation

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