

Comparative characteristics of conventional ice and Glice®

Based on comparative example of a 20 m x 40 m rink

Nº	Characteristics	Conventional ice	Glice®
1	Base	Concrete base with coolant channels	Concrete or any other strong base
2	Refrigeration systems	2 refrigerators with peripherals (= 330.000 EUR)	Not required (= 0 EUR)
3	Starting-up and adjustment works	= 20.000 EUR	Not required (= 0 EUR)
4	Service personnel	2 qualified technician fulltime	1 cleaner only 1 x per day
5	Surface Service	Daily and qualified	Minimum
6	Technical skating stop for service	Every 2-3 hours	Are not required
7	Annual preventive maintenance of the equipment	Long, 2 times a year	Not required
8	Special equipment	Expensive casting machine (= 145.000 EUR) with driver	Regular cleaning with household vacuum cleaner (= 200 EUR)
9	Water consumption	4350 liters per day	Not required
10	Water heating	Regular and expensive	Not required
11	Maintenance (refrigeration, dehumidification, without taking illumination into account)	= 3000 -3500 EUR per month (regardless of the number of visitors and revenue)	Minimum
12	Terms of manufacture, supply, construction and commissioning works in view of concrete foundation	4-6 months	1.5 -2 of the month
13	Warranty	1 year	12 years
14	Expected lifetime	10-15 years	12-20 years
15	Glide: One hour after preparing the ice and 2 hours	-100% -85% -80%	96% -96% -96%
16	Feasibility of commercial use, time	50-60%	100%
17	Room	Construction of expensive facility with good isolation	Not necessarily
18	Ventilation	Powerful, expensive ventilation and airconditioning system	Usual ventilation for residential premises
19	Air temperature	Always very cold. Customers feel uncomfortable.	Ice is dry and warm rooms.
20	The total cost of the rink	1.485.000 EUR	200.000 EUR