

AMARGICE

Skaters are delighted. The possibility of ice skating all year round.

Thanks to AmargIce skating has never been so easy as now.

Almost anywhere, at any time and for an incredibly reasonable price. For the amateur skaters AmargIce is a viable alternative to natural and artificial ice rink.

From a financial point of view AmargIce is the only sensible option, since the acquisition and routine maintenance are extremely low.

Please read the following brief summary of the main arguments for purchasing and installing AmargIce surface.

AmargIce as dry alternative.

AmargIce is a very resistant synthetic substrate, whose design makes all the heavy loads without any effect. To connect with each individual plates of plastic a patented system of paving is used. Spraying the surface of a special lubricant additive allows for high and extremely durable quality slide.

Speed of AmargIce consumption is less than 100 000 hours at 100 meters. Thus, generally speaking, for many years to enjoy the unlimited possibility of skating, running profitable recreational activities.

AmargIce is easy to install and versatile.

Assembly and disassembly is quick and simple. Therefore AmargIce can ideally serve as a mobile substrate, used in the organization of various events. By developing plans to determine the surface AmargIce provides more room for maneuver.

In fact AmargIce is suitable not only for skating, but also to play its football games, basketball and dance events, to name just a few of the sports that can be practised on the surface of AmargIce.

AmargIce reduces maintenance costs to a minimum.

To ensure proper handling AmargIce surface it is not required to use the services of any traffic engineers or personnel with appropriate special training. Procedures for operation and maintenance are more than easy. Maintenance material costs are extremely low, especially compared with the expenditure incurred in respect of the permanent "wet" ice rinks service.

AmargIce is not harmful to the environment and does not cause energy consumption.

Using this device, save energy, what would be needed for the production of ice. AmargIce requires no refrigeration or does not involve the use of water. In addition, they are not used any aggressive substances, such as freon or ammonia that would be necessary to produce an artificially frozen surface. AmargIce is a retardant and completely not poisonous surface.

AMARGICE is one hundred percent recyclable.

AmargIce meets global requirements for energy-efficient economy and resources and has all the characteristics which enable its global recycling.

AmargIce ensures excellent operational results.

At the time of purchase AmargIce manufacturer will ensure the guarantee for their product for a period of three years. AmargIce is the cheapest alternative in the field of skating.

Reference

Over the past few years, presented the product has been used multiple times in the course of the great shows and events.

So far, based on synthetic ice rink panels were presented and successfully installed in Japan, Korea, Jordan, Indonesia, Hungary and Germany.

Since the introduction of product into the European market in December 1997 it has been presented to the public many times between the time of other events such as:

"Wonderworld" in Frankfurt

"Freizeit '98", an international trade fair in Berlin Rest

Children's Festival in Berlin

The ultra-modern shopping center Polus Centre in Kecskemet, Hungary AmargIce serves as a recreational facility, it has been installed there permanently.

"Jump in2 the Fun", a festival in Cologne, Germany, which presents the most innovative, fashionable and most popular sport. Tanja Shevchenko, three times winner of the German National Championships in Figure Skating, is deeply convinced of the quality AmargIce. After testing our product in an interview stressed that AmargIce fulfills dreams of many skaters: "This surface allows us to practise our sport regardless of weather conditions in almost any location, enabling us to replace the cold halls in the winter to the sunny beaches."

"Mövenpick Art on Ice" - a tour organized in 1998 in Hanover, Munich, Oberhausen and Cologne
Tournament Cup Dominik Hasek played in Budejovice and Liberec in August and September 1998

With the Radio "Bauschänzli" in Zurich with Denis Biemannem
The event on the roof 'Karstadt Sport in Hamburg, Europe's largest sports equipment store!
Piazza Italia in Sassari, Sardinia held from 18.12.1999 until 09.01.2000, the
Demonstrations organized by the Austrian Tourist Board Tourism in Leipzig, Hamburg, Stuttgart and Munich

Tournament Cup Dominik Hasek played in Pilsen in August 2000

Bäder-Betriebe Berliner AmargIcerink Fixinstallation Swimming-Bath 2000 Wannsee

Goal Tender Store in Stockholm

Garden Sports Centre in Palermo

Starachowice "Na Szlakowisku" ice rink

Ostrowiec Świętokrzyski ice rink

Olsztyn ice rink

Pobiedziska ice rink

Myslowice ice rink

AmargIce

Instructions for installation and maintenance

Installation

In order to successfully complete the installation AmargIce ICE and to avoid loss of rights under the warranty, follow the procedure described below.

SUBSTRATE

AmargIce can put on all kinds of hard, flat surface such as concrete or wood floors. The substrate must be free of any defects, and bleeds a height exceeding 2 mm over a length of 2 m. Defects such as protruding nails from the wooden floor, inequality, indentations, etc. absolutely must be eliminated prior to installation.

If the substrate is not completely flat and shows declines in excess of the above sizes, we recommend that you install a wooden platform in order to ensure a truly flat surface. The amount of such platforms will range from 10 to 20 cm. Beams should be arranged at right angles.

PROTECTIVE LAYER

Before installing AmargIce sheets on the ground industrial carpeting must be carefully arranged (eg, polyethylene filler) with a thickness of about 5-6 mm. But there is no need to stick to the lining of the ground. After laying the lining should be vacuumed to remove any foreign materials that could interfere with the proper arrangement of AmargIce sheets. It is recommended that during the whole installation procedure a vacuum cleaner was at hand. Thanks to this lining can always be cleaned before laying the next sheet of AmargIce.

LAYING SHEETS

The installation should start from the inside surface on which surface is positioned to be the type of AmargIce of S type. On the middle of the rink lay the first sheet and attach it with screws. To make further sheets were close to each other and to avoid the occurrence of irregular spacing, the sheet must be lightly hit at the side with a piece of wood or rubber mallet.

Sheets must be stacked in parallel, so that every four sheets always touch each other at the same point.

After properly positioning the first sheet in the groove, which is routed in each sheet, place the tongue. Sheets with tongues placed in them can be pushed.

From time to time they must be fit together, by hitting at the side. With this type of tongues AmargIce sheets of S type are stacked perpendicular to each other. Equally important is the placement of such splines between all the neighboring sheets. Tongues are placed on one side. For the variant of L-type element AmargIce tongue / groove are made as a monolith at the factory. When starting to work, you always need to make sure that the base is cleaned of any foreign materials that could interfere with the proper arrangement of layers of sheets. Therefore, when installing it is recommended that you use the vacuum cleaner. You should always check whether the edges form a completely straight line, and there are no differences in height between two successive sheets. Each sheet must be screwed with the screw in the middle.

AmargIce sheets are arranged subject to certain narrow slit, according to the temperature prevailing during the installation. ICE AmargIce Sheets are designed for very small field of tolerance. If the sheet can not be exact match, you should take next.

If the surface ice has a different shape than the rectangle, ICE AmargIce sheets can be cut to any desired shape using power tools, regardless of the shape that eventually the surface ice will adopt. For AmargIce type L and P you can start assembling at the side. After placing at least three rows, you're ready to connect panels together (for L-type). Fixing the coupling plate (for the panel type L) is the drilling of drill hole locations marked fi 10 mm in quantity 6 pieces per sheet, and insert the supplied pins (made of the same material). After application of pins, you can begin trimming, for example, of projecting chisels of the pins, so as to obtain a smooth surface. P type panels arranged alternately - a panel of milling up to the bottom of the second panel and so on. Both surfaces are then combined with tongues so that it will not be able to slide the panels between them. As a result of changes in temperature panels can move horizontally (mounting bars - the distance from the outer surface must be selected by the maximum temperature amplitude) and vertical - technically permissible vertical deviation is 5 mm.

FINAL PREPARATIONS

Sheets of AmargIce type S are smooth on both sides and sanded on one side. Re grind side is used for ice skating. It is the only moment when AmargIce can be sanded.

Each subsequent use of tools, grinding and polishing will invalidate the warranty.

At the very end, before attempting to use the surface, cost-effective solution in a very small amount that increases sliding ability of AmargIce should be imposed (aqueous solution of glycerol in a ratio of 50 / 50 necessarily. Use hot or warm water at least to evenly mix the glycerol). The solution should be sprayed in the air using a hand sprayer - sprayer to spray directed upwards, so that the solution falls to the surface as a soft morning dew (do not use it too much, because they increase the amount in no way will improve the surface properties, and only increase the costs of maintenance).

After the imposition of a solution for the first time for a new ice surface is recommended to wait several hours or leave it overnight to let the solution cover it evenly. But the very next morning, anyone can set up the skates and get on the ice rink. AmargIce surface is ready to use!

In order to obtain the full usability of skates, we recommend using a blade width of 3 mm and frequent sharpening skates in this way that the side edges are as thin (acute angle, ovalny concave profile, the radius of sharpening 8 to 25 mm). Otherwise, users may feel uncomfortable, and the effect of lower sliding ability and the effect of "the legs falling off". Skates can not have jagged tops!

MAINTENANCE

TECHNICAL EQUIPMENT

Gamma 52 GT (automatic vacuum cleaner for floors)

Vacuum Cleaner for Wet / Dry AS 1959 M

Vacuum Cleaner for Wet / Dry AS 400

CHEMICALS

AmargIce grease solution

AmargIce Cleaner

INSTRUCTIONS OF WARRANTIES IN ORDER TO KEEP AMARGICE IN OPTIMUM CONDITION

AmargIce will be kept in perfect condition, if the surface will be vacuumed daily. Average yield per hour and per person varies in the range of 1000 m² 2500 m² by up to 3,000 m², depending on the model of technical device used.

In order to ensure optimal conditions for skating and sliding surface should be at least once a week (or more often if the surface is more dirty and in the case of high temperature) spray with lubricant AmargIce solution. Capacity: max 1.0 to 1.5 liters per 100 m². Device for spraying causes an even dispersion of solution on the surface. Solution of grease should not be imposed during use of ice surface.

It is recommended to conduct a thorough weekly cleaning of the AmargIce surface using an automatic vacuum cleaner for floors and chemicals of AmargIce. In this way the material collected will be deleted from the application of a solution of grease. The area can then be used for purposes other than skating, for example, non-slip steps. Average yield per hour and per person is about 600 m².

Thermal expansion and contraction can occur only if the temperature changes.

AmargIce surface can be used - using a patented installation system - in the temperature range from -15 ° C to +30 ° C.

AMARGICE

LIMITED WARRANTY

Each AmargIce sheet is produced, inspected and tested before shipment from the factory with an appropriate care. If the surface of AmargIce will be used for recreational purposes, or training, including in the course of events, amateur or professional skating shows, except play hockey league matches, or for any other purpose in the professional sport, the manufacturer shall assume the duties of the guarantee in relation to its product AmargIce , provided that the following conditions are met. This warranty covers a period of three years from the date of purchase. The manufacturer shall make the exchange in a factory of all defective sheets or materials that cause deformation and separation in wave, the formation of fissures or cracks.

If one or more sheets show excessive wear beyond normal and expected durability, the manufacturer will provide replacement of worn sheets in proportion, but that if there is significant wear after the first year, the sheet will be replaced at a reduced price or free of charge. If the sheet will be presented to claim the warranty later, the plate will be replaced by the price fixed in proportion to the expected life of the product and the actual time of use.

In order to bring a claim in respect of rights under this warranty within 30 days of detection of defects AMARGO must be informed of its occurrence in order to obtain authorization number, and a defective sheet should be sent to the manufacturer. Transport and insurance costs are prepaid. Reimbursement of expenses is borne by the manufacturer. Replacement time of a sheet is 8 weeks. Communicating in this case, you should always use a given authorization number.

This warranty does not cover defects or damage the product caused by accident, abuse or misuse, improper assembly, installation or maintenance of the device by persons without training and

defects and damage caused by employees as a result of improper or careless use or maintenance, in a manner inconsistent with specifications set out in the instructions for maintenance.

Furthermore, this warranty does not cover defects and damages resulting from the use of inappropriate cleaning products or preservatives, or use of products or equipment not authorized by the manufacturer, as well as defects and damage resulting from attempts to repair the product taken by the user, as well as the product does not cover damage caused by the existence of force majeure.

The warranty does not apply to items of equipment nor to the additional surface of AmargIce, which was purchased solely with a view to leasing for commercial purposes.

REPAIR OR REPLACEMENT IN ACCORDANCE WITH THE TERMS OF THIS WARRANTY IS THE ONLY AND ONLY WAY TO REPAIR THE DAMAGE. LISTED ABOVE WARRANTIES AND REMEDIES ARE EXCLUSIVE AND SUPERSEDE ANY OTHER WARRANTIES AND REMEDIES, ORAL OR WRITTEN, EXPRESS OR IMPLIED. AMARGO SPECIFICALLY DISCLAIMS ANY UNLIMITED GUARANTEES ANNEXED, AS WELL AS WARRANTIES FOR COMMERCIALIZATION AND WHEN IT APPEARS THE PRODUCT IS USELESS FOR A PARTICULAR PURPOSE.

None of the dealers, agents or employees AMARGO is not entitled to modify, extend or add any conditions to this guarantee.

AMARGO assumes no liability for direct damages, special, incidental or consequential, arising from a breach of warranty or any other legal basis, including, inter alia, for loss of profits or revenue, or having to bear the costs resulting from the use of the product, loss of reputation, incurring damage or replacement of equipment and property, and bear all the cost of replacing or re-installation, as well as other costs. This warranty is not transferable to another owner, unless the newly constructed plant will be examined by a technician installation AMARGO.

This guarantee takes into account the specific statutory rights, but you may also have other rights which differ according to the law of the country.