

YOUR PARTNER IN ALL FIELDS OF INDUSTRY

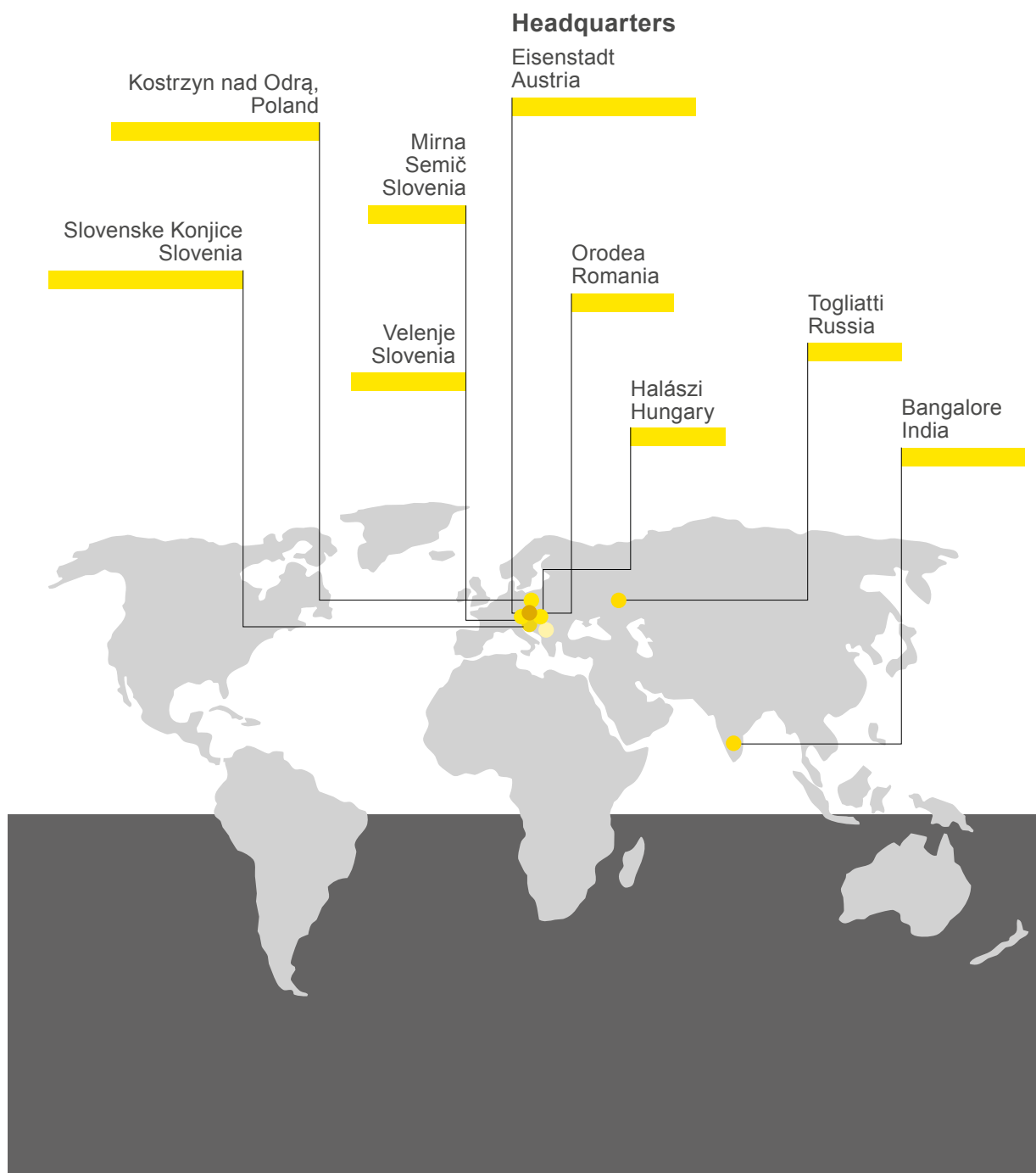


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ISOSPORT GROUP – PRODUCTION PLANTS



WHY ISOKON?

Great flexibility in meeting customers' demands, product performance and quality are the most important elements of our competitive advantage.

We deliver innovative solutions. We produce and supply engineered polymeric materials under trademarks ISOFORM, KOTERM, FUNICE, ISOTRACK and KOPLAST.

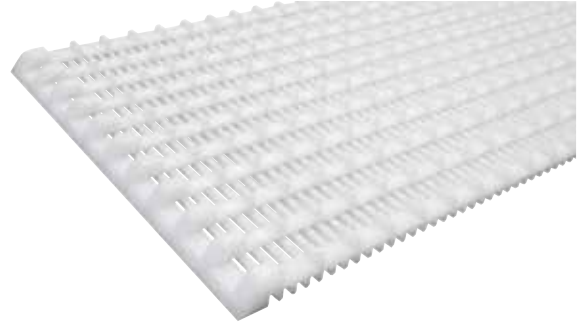


We are a European company with more than 40 years experience in the field of high performance plastics.

We are subsidiary of ISOSPORT GmbH, from Eisenstadt, Austria and a

MEMBER OF *Constantia* INDUSTRIES

EXPERT IN CUSTOM TAILORED PRODUCTS



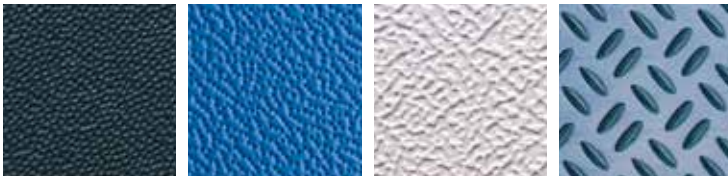
We offer innovative solutions in the field of thermoplastic production and processing. We help you solve complicated production or construction problems based on our extensive experience and exceptional know-how.

WIDE RANGE OF OPPORTUNITIES



- Extruded, co-extruded sheets and filled materials
- Pressed sheets and press moulded designed sheets
- Production of machine components





Lamination on extruded sheets with:

- Fleece
- Textile or fabric
- Foam
- Stripe(s)
- Decorative foil
- Logo-printed foil
- Removable protective foil

EXTRUDED SHEET

Technologies:

- Extrusion of sheets (thickness 0.5–25mm, max. width 1,700mm)
- Co-extrusion (AB, ABA) of sheets (thickness from 1.2mm, max. width 1,500mm)
- Extrusion of sheets with direct compounding (thickness 1–10mm max. width 1,600mm)

- Tailor-made materials for thermoforming
- Composite material – reinforcement with different fillers
- Wood-plastic/BIO composites PE & PP filled with nano-cellulose fibres
- Designed products fabric backed, metal-detectable, anti-slip, electroconductive grades, heavy filled and others
- Embossed surfaces: N1, N2, N3, ALU or on request
- Co-extrusion

Surface finishing:

- Glossy
- Matt
- Different textured structures with embossed rolls

Others:

- Surface activation with flame treatment
- “Cut to size” parts from extruded sheets

ISOFORM EXTRUDED

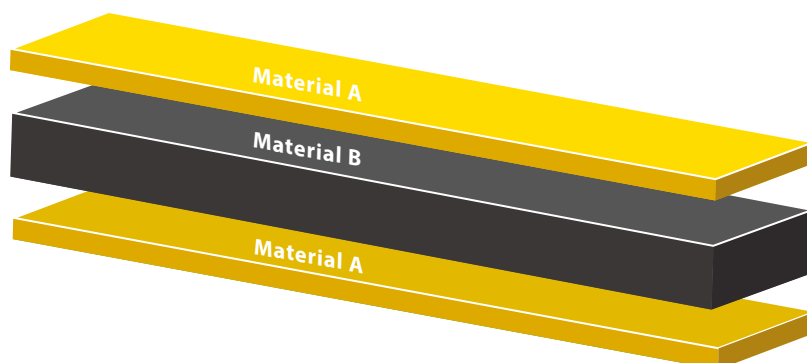


Maximum width:
1500 mm
Thickness: 1–8 mm
Colours: each layer
different RAL
Rolls are available
upon agreement.

CO-EXTRUDED SHEET

Extruding two or more materials through a single die so that materials merge or weld together into a single structure before cooling allows the combination of different compatible materials and colours in a single sheet.

The advantage of co-extrusion is that each layer imparts a desired property, such as stiffness, soft touch, environmental resistance, visual effect.
Applications: automotive industry, food industry, luggage, ... or similar.



Fillers and additives are used to change and improve the physical and mechanical properties of plastics. In general, reinforcing fibres increase the mechanical properties of polymer composites while particular fillers of various types enhance a particular property.

Some of the main reasons to using fillers are:

- Improved mechanical properties
 - Density control
- Thermal conductivity
 - Optical effects
 - Flame retardant
 - Cost reduction
- Electrical properties; antistatic

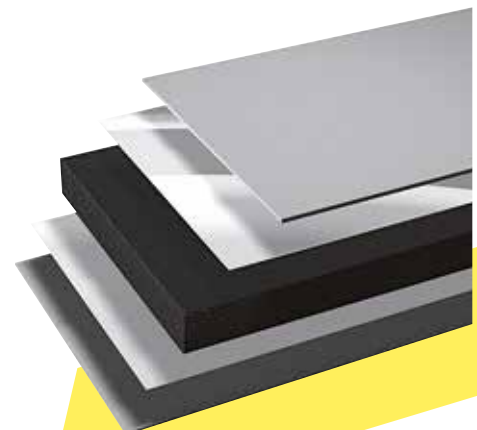
FILLED MATERIALS

Modification of basic polymeric materials with fillers

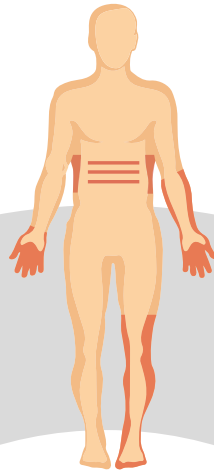
- Talcum
- Wollastonite
- Calcium carbonate
- Short/long glass fibres
- Barium sulphate
- Wood flour
- Carbon black

Key Benefits

- Visual appearance (special effects, colour matching)
- Dimensional stability
- Shrinkage
- Stiffness
- Abrasion surface
- Weather influence resistance (UV resistance,...)
- Controlled flammability
- Antistatic characteristics and electrical conductivity
- Controlled impact strength at lower temperature



APPLICATION EXAMPLES ISOFORM EXTRUDED SHEET



**ISORTHO
FOR ORTHOPAEDICS**

**PLATES FOR
WATER TANKS**



**PLATES FOR
A BIOLOGICAL
TREATMENT PLANT**



**“TAILOR-MADE”
EXTRUDED AND CO-
EXTRUDED SHEETS
FOR THE AUTOMOTIVE
INDUSTRY**



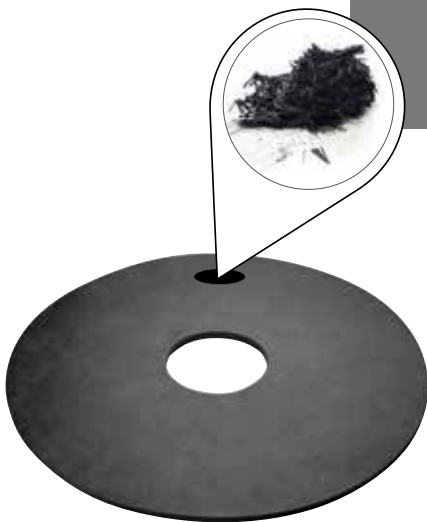
**METAL
DETECTABLE
MATERIALS**

KOTERM PRESSED



PRESSED SHEETS

- Mega press wide product range
- Press moulded designed sheets (pre-formed pressed sheets)
- Prototyping and serial production large machine components (3-5 axis CNC machines up to 8m)
- Material design Fibre filled UHMW PE



Mega press wide product range because of investments into technology and development, we are orientated towards the application of modern materials and production technologies.

Standard sheets in dimensions

2,020×1,020mm, 3,030×1,020mm, 6,100×1,020mm
3,030×1,220mm, 2,020×1,220mm, 6,100×1,220mm
Thickness range from 10mm to 130mm

CUSTOMISED PRODUCT SOLUTIONS-FINISHED PRODUCTS

Bottling industry



Machine components for all industries



PROTOTYPING AND SERIAL PRODUCTION LARGE MACHINE COMPONENTS

KOTERM PRESSED

Mechanical engineering elements are products that are, in most cases, produced according to the customer's drawings and specifications, or as autonomous technical solutions that are developed and technologically included in the customer's projects. Based on extensive experience and know-how, Isokon provides a quick solution for the customer.



Machining capabilities:

- Milling
- Turning
- Profiling
- Cutting

CNC machines with working table
width: from 600 mm to 2400 mm
length: from 1000 mm to 5600 mm

FUNICE

SYNTHETIC ICE PANELS AND DASHERBOARDS

Dasher boards

Can be used for ice rings or any other rings with has to be protected by a fence.



L-System



Puzzle System

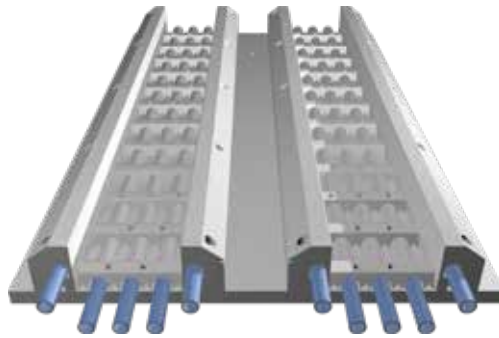


ePuzzle System

More than 70,000m² of our panels have been successfully installed.

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.

WINTER/SUMMER SKI-JUMPING RAMP



KOTERM PRESSED

JOINT DEVELOPMENT PROJECTS

Together with our Slovenian partner, a manufacturer of run-up tracks for ski jumping, we developed a PE ski-jump surface, made out of KOTERM. It has already been installed at many ski jumps worldwide.

The homogeneous material is much less sensitive to temperature changes in comparison with combinations of different materials. The modular composite ski-jump surfaces offer a quick and effective replacement of any component making up the surface. This is what put our partner ahead of the competition.

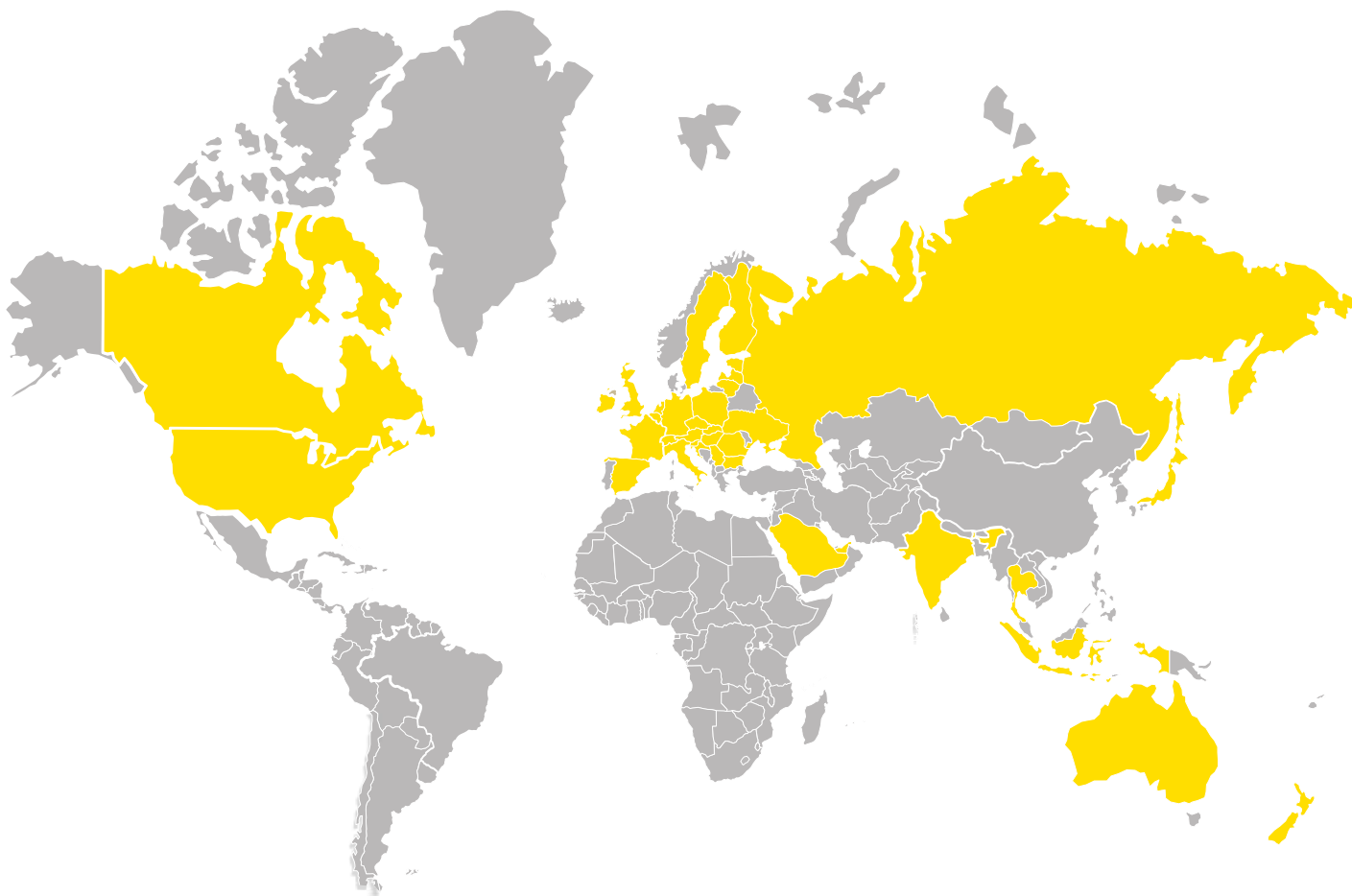


ISOTRACK

PROTECT – BE SAFE

For safe, heavy duty temporary access across soft ground in extreme wet weather conditions, for difficult conditions in construction, transport or various events.

TEMPORARY ROADWAYS- ACCESS AND GROUND PROTECTION MATS



WIDE PRODUCT RANGE

ISOTRACK X SERIES



ISOTRACK H SERIES



ISOTRACK L SERIES



ISOTRACK t MAT

KOPLAST

EXTRUDED PROFILES FOR VARIOUS INDUSTRIES



The company is for several years a supplier of PVC profiles for all major manufacturers in the caravanning industry for the markets of Slovenia, Germany, Austria, Italy and France. The ability of our own technological development and the execution of PVC profiles gives us a competitive position in the market.



Isokon d.o.o.

Industrijska cesta 16
3210 SLOVENSKE KONJICE
SLOVENIJA

T: +386 (0)3 757 11 00
F: +386 (0)3 757 10 63
e-mail: sales@isokon.si

www.isokon.si
www.funice.si
www.isotrack.eu
www.isotrack.in
www.isokon-russia.ru