



PROFESSIONALLY.
FROM THE ROOF
TO THE FLOOR.





ABOUT US

The company PUR-IZOLACE s.r.o., based in Litoměřice, was established in 1991.

Foam system materials are mainly produced in the Czech Republic.

We are one of the oldest and most stable manufacturers and, above all, processors of all types of polyurethane (PUR) and polyisocyanurate (PIR) foams, processed on-site by spraying or pouring.

In 2020, PUR-IZOLACE s.r.o. became part of the Czech group Barvy a laky Hostivař a.s.. Together with the manufacturer of UV coatings, Denas a.s. belongs to the same group, as well as, for example, Teluria s.r.o.

We have more than 3 million m² of insulated space in Central and Eastern Europe, more than 10,000 orders and over 6,000 satisfied customers.

HISTORY

1988 - OSEVA Litoměřice and its employee, Petr Korčák, introduces the technology of using polyurethane foams intended for insulation in the Czechoslovakia (invention of Otto von Bayer from 1937)

1991 - Petr Korčák, Milan Dušík and Miroslav Novák establish a company in Litoměřice

1992 - PUR-IZOLACE® trademark applied for

2000 - First delivery of acrylic-based surface coating from DENAS color to extend the life and protect the foam system intended for external roof insulation

2002 - Use of SILICOAT® coating based on silicone rubber, also to extend the service life and protect the PUR-IZOLACE® W60 foam system intended for external roof insulation

2005 - Acquisition of the industrial and logistics park Nádražní 27, Litoměřice

2005 - Use of the foam system PUR-IZOLACE® SOFT for internal attic insulation and walls

2020 - Entry of strategic partner BARVY A LAKY HOSTIVAŘ a. s.

2019-present - Development of the unique W60 ALBEDO foam system using PRIMALIT and BALCLEAN coatings

PUR IZOLACE

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COMPANY INFORMATION

SALE

3.3 million m² of insulated areas in Central and Eastern Europe

10,000 orders

6,000 satisfied customers

PRODUCT

PUR foam systems – in-house production, proven composition

Surface coatings – Primalit acrylic, UV – BARVY

ALAKY HOSTIVAŘ

– silicone SILICOAT®

REALIZATION

On-site trained and experienced staff

Graco's Cutting-Edge Tech Equipment | Gusmer application | PMC

– Spraying

– Casting

PURCHASE

Long-term cooperation with European manufacturers of key components and additives

Strategic cooperation with Czech manufacturers – Barvy a Laky Hostivař, Denas color or Lučební závody Kolín

WHY PUR FROM US

Processing with Gusmer High-Pressure Units | Graco (10 technology and 6 transport vehicles)

Significant reduction in energy consumption (buildings, warehouses, halls, family and residential houses, apartments, office buildings, shopping centres and houses, schools and kindergartens and many others) – **Reduction of operating costs**

We are enrolled in the subsidy program "NEW GREEN SAVINGS"

Speed of insulation implementation

Health safety

Perfect foam adhesion

Low static load





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TRAINING AND CERTIFICATES

BASF Elastogan
Germany

BAYER Rhein Chemie
Germany

ICI Polyurethane

Polyurethane Roof Training Center
USA - Olympic Games

DEVELOPMENT AND PRODUCTION

Transition to CFC-free foams (1994)
Transition to HCFC foams (2000)

Low GWP foams (2018)

In-house production of PUR IZOLACE W60 and
PUR IZOLACE SOFT foams

Development and production of methyl silicone
rubber SILICOAT,® UV protective layer and high-
pressure airless technology for its processing

Together with Denas a.s., development of UV
restorative coatings and other special coatings
and primers for the application of PUR
INSULATION on roofs

First application of Open Cell Foam (Bayer,
Icynene) in the Czech Republic

Development of the BALCLEAN ALBEDO PUR
INSULATION system – based on nano technology
(together with Barvy a Laký Hostivař a. s.)



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PUR INSULATION SOLUTION



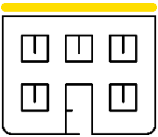
PUR IZOLACE® SOFT

Internal thermal and acoustic insulation of ceilings, walls and attic



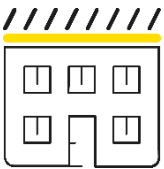
PUR IZOLACE® W40

External and internal thermal insulation of vertical surfaces and ceilings



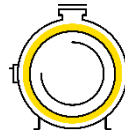
PUR IZOLACE® W60

External insulation of thermal and waterproof roof insulation



PUR IZOLACE® DUO

Combined energy solution DUO (W60 + FVE)



PUR IZOLACE® CASTING

PUR/PIR casting thermal insulation system



PUR IZOLACE® DECO

Decoration in the film and entertainment industry



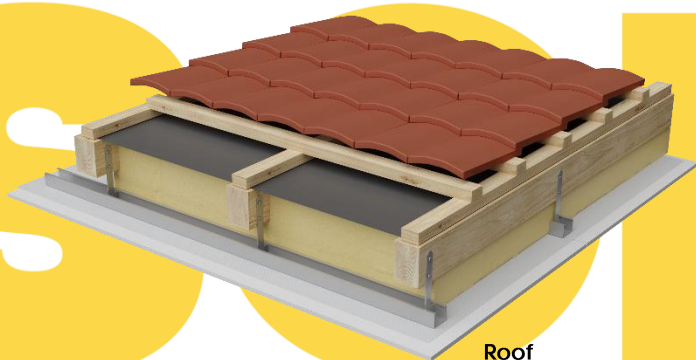
R IZOL

PUR IZOLACE / PROFIL

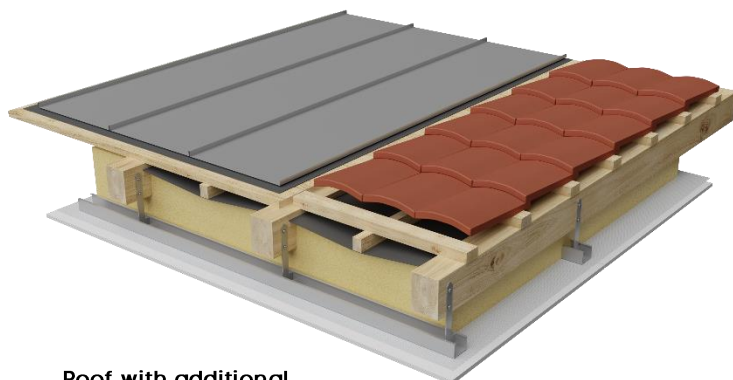
PUR IZOLACE® SOFT

ATTIC CEILINGS WALLS

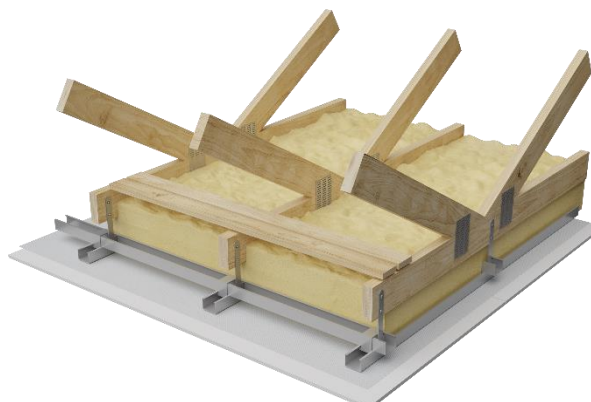
Thermal and acoustic insulation system consisting of soft, two-component polyurethane foam of open cell structure. Machine processing by high-pressure spraying on the surface.



Roof
with ventilated
air gap under the
roofing



Roof with additional
Created ventilated air gap



Ceiling under the truss
roof structures -
Spraying from above

USE

Flats, family houses, low-energy new buildings, warehouses and garages, office buildings, schools and kindergartens, offices

ADVANTAGES

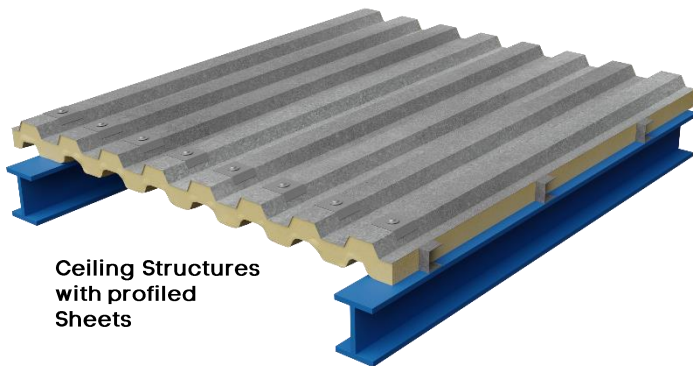
- EXCELLENT THERMAL AND SOUND INSULATION PROPERTIES
- CONTRIBUTES SIGNIFICANTLY TO THE REDUCTION OF ENERGY
- THE COMPLEXITY OF THE BUILDING OR BUILDING
- PREVENTS OVERHEATING OF BUILDING STRUCTURES AND THUS OVERHEATING OF THE STRUCTURE OR BUILDING
- COST SAVINGS
 - ACQUISITION (SPEED OF IMPLEMENTATION)
 - OPERATIONAL (HEAT OR ELECTRICITY)
- JOINTLESS, SELF-ANCHORING WITH EXCELLENT ADHESION TO VARIOUS BUILDING SUBSTRATES, WHICH PERFECTLY SEALS EVEN SHAPED SURFACES OR CRITICAL DETAILS AND THUS MINIMIZES HEAT LOSS
- VAPOUR-PERMEABLE (VERY LOW DIFFUSION RESISTANCE)
- REINFORCES THE SANDWICH STRUCTURE, PREVENTS VIBRATIONS AND CAUSES SOUND INSULATION OF THE STRUCTURE
- VERY LOW WEIGHT AND THUS STATIC LOAD OF THE BUILDING STRUCTURE
- CHEMICAL RESISTANCE
- DIMENSIONALLY STABLE WITH VERY GOOD WORKABILITY
- PREVENTS MOLD AND THE SPREAD OF ALLERGENS OR BACTERIA
- SELF-EXTINGUISHING, CONTAINS FLAME RETARDANT
- DURABILITY AND HEALTH SAFETY
- ECOLOGICAL SOLUTION "NEW GREEN SAVINGS"

PROFESSIONALLY.
FROM THE ROOF
TO THE FLOOR.

PUR IZOLACE® W40

ATTIC CEILINGS WALLS

Thermal insulation system consisting of hard, two-component polyurethane foam-closed cell structures. Machine processing by high-pressure by spraying on the surface.



Ceiling Structures
with profiled
Sheets

USE

Halls, buildings and buildings (industrial and manufacturing, logistics, agricultural, sports, cultural and social, department stores and centres, apartment buildings, administrative buildings, offices, schools and kindergartens)

ADVANTAGES

- EXCELLENT THERMAL INSULATION PROPERTIES
- SIGNIFICANTLY CONTRIBUTES TO REDUCING THE ENERGY CONSUMPTION OF A BUILDING OR BUILDING
- PREVENTS OVERHEATING OF BUILDING STRUCTURES OR CLADDING AND THUS OVERHEATING OF THE BUILDING, BUILDING OR TANK
- COST SAVINGS
 - ACQUISITION (speed of implementation)
 - OPERATIONAL (heat or electricity)
- SEAMLESS, SELF-ANCHORING WITH EXCELLENT ADHESION TO VARIOUS BUILDING SUBSTRATES, WHERE IT PERFECTLY SEALS EVEN SHAPED SURFACES OR CRITICAL DETAILS AND THUS MINIMIZES HEAT LOSS
- VAPOUR-PERMEABLE WITH LOW WATER ABSORPTION
- REINFORCES THE STRUCTURE, PREVENTS VIBRATIONS AND CAUSES SOUND INSULATION OF THE STRUCTURE
- VERY LOW WEIGHT AND THUS STATIC LOAD ON THE STRUCTURE
- RESISTANCE TO AGGRESSIVE ENVIRONMENTS (E.G. CORROSION DUE TO WEATHER CONDITIONS)
- RESISTANCE TO BIOLOGICAL INFLUENCES (ANIMALS OR PLANTS)
- DIMENSIONALLY STABLE
- PREVENTS MOLD AND THE SPREAD OF ALLERGENS OR BACTERIA
- SELF-EXTINGUISHING THAT DOES NOT SPREAD FIRE
- DURABILITY AND HEALTH SAFETY
- ECOLOGICAL SOLUTION "NEW GREEN SAVINGS"



Wooden ceiling
construction



Ceiling concrete
construction

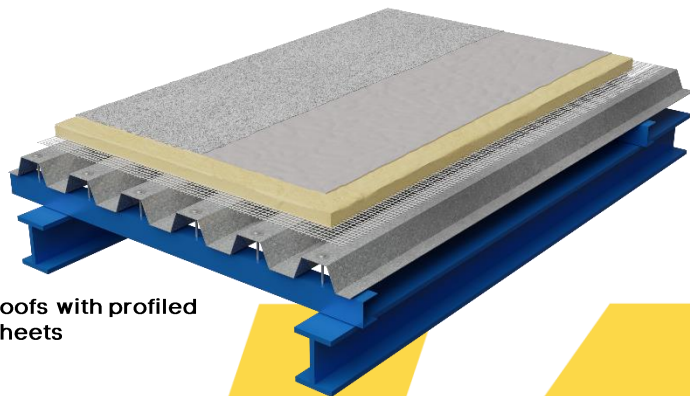
PUR IZOLACE® W60

ROOFS

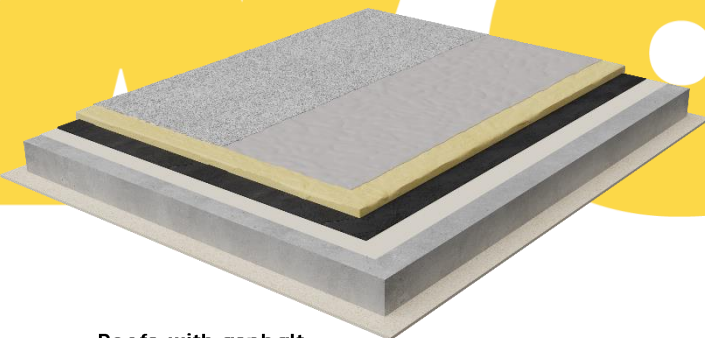
Thermal and waterproof insulation system

It consists of a hard, two-component polyurethane foam closed cell structure with surface treatment.

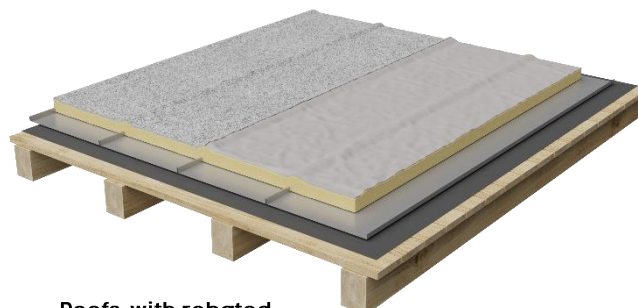
Machine processing by high-pressure by spraying on the surface.



Roofs with profiled Sheets



Roofs with asphalt surface covering



Roofs with rebated metal roofing

USE

Halls, buildings and buildings (industrial and manufacturing, logistics, agricultural, sports, cultural and social, department stores and centres, apartment buildings, administrative buildings, offices, schools and kindergartens)

ADVANTAGES

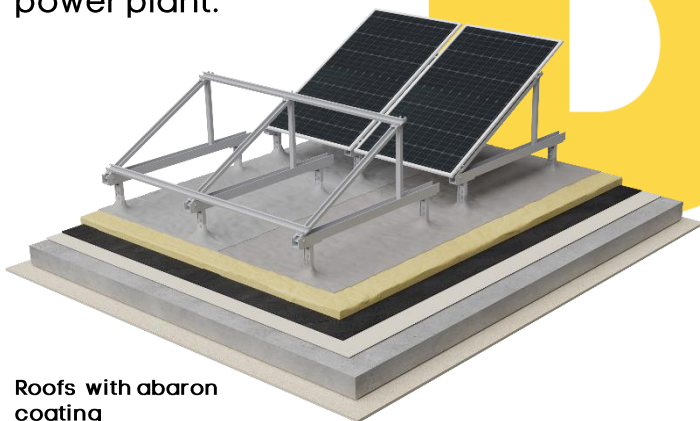
- EXCELLENT THERMAL AND WATERPROOFING PROPERTIES
- SIGNIFICANTLY CONTRIBUTES TO REDUCING THE ENERGY CONSUMPTION OF A BUILDING OR BUILDING
- PREVENTS OVERHEATING OF ROOF SURFACES AND THUS OVERHEATING OF THE STRUCTURE OR BUILDING
- COST SAVINGS
 - ACQUISITION (speed of implementation)
 - OPERATIONAL (heat or electricity)
- SEAMLESS, SELF-ANCHORING WITH EXCELLENT ADHESION TO VARIOUS BUILDING SUBSTRATES, WHERE IT PERFECTLY SEALS EVEN SHAPED SURFACES OR CRITICAL DETAILS AND THUS MINIMIZES HEAT LOSS
- VAPOUR-PERMEABLE
- REINFORCES THE SANDWICH STRUCTURE, PREVENTS VIBRATIONS AND CAUSES SOUND INSULATION
- REDUCTION OF THERMAL EXPANSION OF THE BUILDING SUBSTRATE
- VERY LOW WEIGHT AND THUS STATIC LOAD ON THE STRUCTURE
- RESISTANCE TO AGGRESSIVE ENVIRONMENTS
- MECHANICAL RESISTANCE
- Resistance to biological influences (animals or plants)
- DIMENSIONALLY STABLE
- PREVENTS MOLD AND THE SPREAD OF ALLERGENS OR BACTERIA
- SELF-EXTINGUISHING THAT DOES NOT SPREAD FIRE (BROOF[t3])
- DURABILITY AND HEALTH SAFETY
- ECOLOGICAL SOLUTION "NEW GREEN SAVINGS"

PROFESSIONALLY.
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PUR IZOLACE® DUO

ROOFS

Combined energy solution
our thermal and waterproofing
the W60 system consisting of a hard,
two-component polyurethane
Foam-closed cell structures
coated, in combination
with a photovoltaic power plant. Machine
High-pressure spraying processing
on the surface in combination with
insulation
Critical details at the anchor point
PVPP panel holders, including installation
and the installation of a photovoltaic
power plant.



Roofs with abaron
coating
on concrete load-
bearing
construction

Roofs
with profiled
Sheets

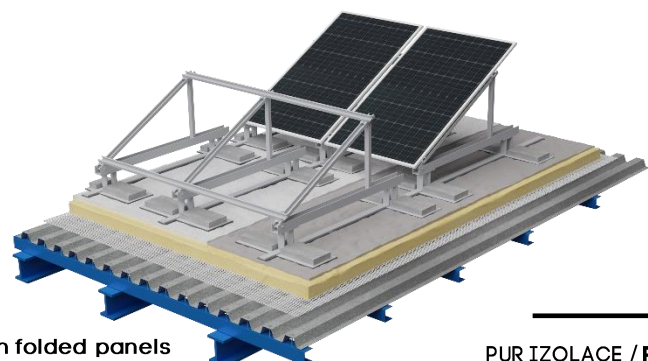


USE

Halls, buildings and buildings (industrial and
manufacturing, logistics, agricultural, sports,
cultural and social, department stores and
centres, apartment buildings, administrative
buildings, offices, schools and kindergartens

ADVANTAGES

- ADVANTAGES
- EXCELLENT THERMAL AND WATERPROOFING PROPERTIES
- SIGNIFICANTLY CONTRIBUTES TO REDUCING THE ENERGY CONSUMPTION OF A BUILDING OR BUILDING
- PREVENTS OVERHEATING OF ROOF SURFACES AND THUS OVERHEATING OF THE STRUCTURE OR BUILDING
- COST SAVINGS
 - ACQUISITION (SPEED OF IMPLEMENTATION)
 - OPERATING (HEAT OR ELECTRICAL)
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- DURABILITY AND HEALTH SAFETY
- ECOLOGICAL SOLUTION "NEW GREEN SAVINGS"



Roofs with folded panels
metal roofing on
Timber Structures



PROFESSIONALLY.
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TO THE FLOOR.

PUR IZOLACE® CASTING

VESSELS, STORAGE TANKS, PIPES & CAVITIES

PUR/PIR thermal insulation systems (bulk density from approx. 40 +/- 5 kg/m³ up to approx. 80 +/- 5 kg/m³) are two component, polyurethane, or polyisocyanurate foams with closed cellular structure. Processing is carried out by high-pressure machinery, which injects the material into the voids.

Each the application is preceded by the design of the structure and determination of the technological procedure for casting. Systems and their reaction profiles are chosen with regard to the foamed volume, construction of the building, character operation/use and operating temperature insulation.

PUR thermal insulation system
for the operating temperature range
-200 to +110 °C

PIR Thermal Insulation System
for the operating temperature range
-60 to +160 °C

USE

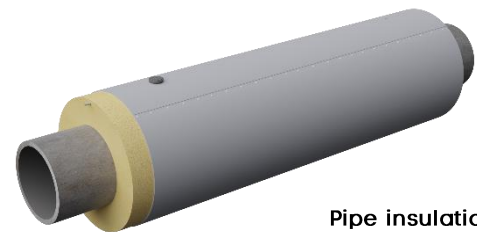
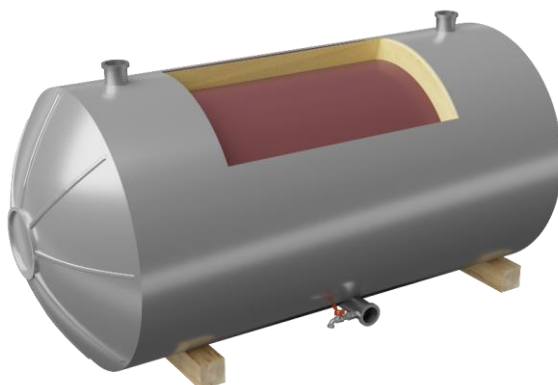
Tanks, storage tanks, storage tanks, overhead distribution, piping systems, small-batch production of castings, etc.

ADVANTAGES

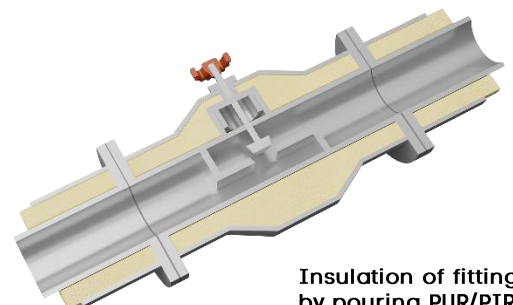
PERFECT THERMAL INSULATION WITHOUT THERMAL BRIDGES

- COST SAVINGS
 - ACQUISITION (speed of implementation)
 - OPERATIONAL (service life)
- SEAMLESS, SELF-ANCHORING WITH EXCELLENT ADHESION FOR A VARIETY OF SUBSTRATES THAT PERFECTLY SEAL EVEN MOLDED SURFACES OR CRITICAL DETAILS
- SIGNIFICANTLY CONTRIBUTES TO THE REDUCTION OF ENERGY LOSSES ON ELEMENTS
- REINFORCES THE STRUCTURE AND HELPS REDUCE VIBRATION
- VERY LOW WEIGHT
- CHEMICAL RESISTANCE
- QUICK LOCALIZATION OF BURST PIPES
- PROTECTION AGAINST MECHANICAL DAMAGE TO THE DEVICE
- POSSIBILITY OF QUICK REPAIR
- PREVENTS THE FORMATION OF MOLD, FUNGI, MICROBES OR BACTERIA
- SELF-EXTINGUISHING, DOES NOT SPREAD FIRE
- HEALTH SAFETY

Insulation of tanks by casting PUR/PIR foams



Pipe insulation by pouring PUR/PIR foams



Insulation of fittings by pouring PUR/PIR foam

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TO THE FLOOR.

PUR IZOLACE® DECO

ACCORDING TO DEMAND

PUR foam processing technology
It also provides a very wide space
in various fields, not only in the field of
entertainment

industry or advertising within the
Decorations. PUR IZOLACE s.r.o.,
This activity is carried out mainly as a
Expert subcontractor of specialized
companies for the construction of
decorations.

Each order must be ordered in advance
consult or make a prototype
and determine the progress of the work.

For specific

For the purposes of each order, it is
possible to

choose hard – semi-hard – soft
or elastic foam, or more

Special modifications. The offer includes
and the possibility of structural colouring
of the foam.

We have experience with the
implementation of entertainment
parks in Germany, Belgium and
production

film sets, decorations and advertising
courses in the Czech Republic.

USE

Television and film scenery
Theatrical creation of decorations
Promotional items
Amusement & Theme Parks

ADVANTAGES

- SPEED OF IMPLEMENTATION
- WEIGHT
- DIMENSIONALLY STABLE WITH VERY GOOD WORKABILITY
- POSSIBILITY OF COLOURING THE FOAM
- POSSIBILITY OF PRODUCING A SAMPLE OF THE FINAL PRODUCT
- CHOICE OF SOFT, SEMI-RIGID OR RIGID FOAM (DEPENDING ON REQUIREMENT)



DECO

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REALIZACE



Spraying from above (from the attic space) into the truss structures on OSB board



Spraying the attic on Contact diffusion layer



Insulation of ceilings concrete ceiling



Thermal insulation of the exterior Fermenter shells



Insulation of the ceiling structure for rearing rabbits



Insulation of a steel garage Anti-condensation



Application of insulation to storage tank (steel sheet)



Spraying roof insulation animal production (aluminium sheet)



Spraying of industrial roof insulation Halls (asphalt strips)

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REALIZACE



Roof after spraying
PUR foam



Final solution of the critical
Detail of the supporting foot



Weighted structure of a PV plant, using
concrete elements



Pipe insulation - PUR casting
foams "through filling holes"



Insulation of the ball hopper



Tank insulation – PUR foam pouring
"Filling holes"



Filmmaking decoration rocks
and surroundings (Czech Republic)



Snowy film decoration
roofs by spraying PUR foam



Spraying the decoration of the rock
(Prater Amusement Park, Austria)



**We operate throughout the
Czech Republic
and Slovakia.**



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PUR IZOLACE®



REFERENCE

