TeraSteel®
BUILD BETTER



CONSTRUCTIVE **SOLUTIONS**

PRODUCTS CATALOGUE
TERASTEEL S.A.

terasteel.co.uk

TOGETHER WE BUILD BETTER

TeraSteel is a strategic manufacturer of thermal insulation panels and galvanized profiles in the Romanian and Serbian markets, as well as one of the main exporters in the Central and Eastern European region.

With **over 30 years** of experience in the construction materials industry, the company has consistently invested in development and innovation, managing to offer complete industrial solutions that meet the highest quality standards.

TeraSteel's four production units – located in Sărățel, Bistrița, Lehliu-Gară (Romania), and Leskovac (Serbia) – are equipped with state-of-the-art technologies, ensuring the manufacture of high-performance products both technically and aesthetically.

The ISO 37301:2021 certification, recognized worldwide, is undeniable proof of compliance with industry standards, ethical business conduct, and our strong commitment to quality, transparency, and responsibility in day-to-day operations.

„BUILD BETTER" is TeraSteel's promise to deliver excellence – through quality products, technical expertise, and strong partnerships built for the long term.

ISO 9001 BUREAU VERITAS Certification

ISO 14001 BUREAU VERITAS Certification

ISO 45001 BUREAU VERITAS Certification

ADVANCED CERTIFICATION ISO 37301

*TeraSteel Romania plant is ISO 37301:2021 certified.

PRODUCT PORTFOLIO

- **Thermal insulation panels for walls and roofs**
  with PUR polyurethane foam, PIR RF fire-retardant foam and MW mineral wool
- **Type Z, C, U and Σ galvanised steel purlins**
- **TRS 153-840 and TRS 85-1120 corrugated sheets**
- **Turnkey halls**
- **Accesorries**

TeraSteel products have the CE mark and comply with the current regulatory requirements.

Application areas of thermal insulation panels and galvanized profiles:

- **Storage halls**
- **Production halls**
- **Halls where various services are carried out (car services, laundries, small workshops)**
- **Refrigerated enclosures**
- **Prefabricated modules (container type)**
- **Interior partitions for any type of construction**
- **Agricultural and livestock buildings**
- **Applications with strict hygiene (laboratories, pharmaceutical industry)**

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TeraSteel produces a complete range of thermal insulation panels for walls, with cores made of polyurethane (PUR), polyisocyanurate (PIR), or mineral wool. Our product offering for wall structures meets all the requirements of a modern, cost-effective, and sustainable construction.

Whether it's a warehouse, logistics center, factory, office, shopping center, or agricultural building, TeraSteel offers a wide array of construction solutions for building walls, ensuring durability and energy efficiency, watertightness, easy and quick installation, and timely implementation of any project in compliance with architectural and aesthetic requirements.

Our portfolio also includes sandwich panels with technical features dedicated to refrigerated enclosures, ensuring optimal functionality for applications with strict hygiene standards, including cold storage and refrigeration rooms.

The standard length of these panels ranges from 2 to 13.5 meters. Panels up to a maximum of 15 meters or shorter than 2 meters can only be produced with prior consultation with the technical department.

To ensure optimal sealing between panels, sealing gaskets are factory-applied when necessary, depending on the type and thickness of the panel. Panels with thicknesses greater than 40 mm and less than 120 mm are delivered from the factory with sealing gaskets. Upon request, 40 mm panels can also be supplied with sealing gaskets.

Panels with thicknesses greater than 120 mm are delivered without sealing gaskets, except for ISOPERa and ISOPERn models, which come with this gasket.

The panels are packaged and transported according to their sizes and colors, directly from the production line, and are protected with PE stretch film to prevent any damage to the painted surfaces. Furthermore, our thermal insulation panels can be supplied with all the necessary accessories for quick and secure installation.

WALL INSULATION
PANELS

THERMAL INSULATING WALL PANELS
ISOPERn

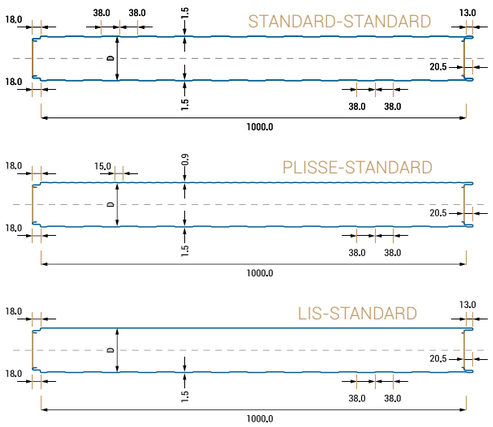
ISOPERn thermal insulation wall panels, with visible fastening and PUR foam, offer an ideal balance between durability, energy efficiency and tightness.

Thanks to their optimized design, they allow for quick and easy installation, helping to meet deadlines even in projects with special architectural or aesthetic requirements.

ISOPERn panels can be mounted both vertically and horizontally, depending on the specifics of the construction.



ISOPERn



Product characteristics

- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,35-0,60 mm
- **Exterior sheet thicknesses:** 0,35-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fi**re according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOPERn RF

ISOPERn RF thermal insulation wall panels, with visible fastening and PIR foam insulation core, offer a complete package of essential benefits for modern construction: durability, energy efficiency, superior tightness, fire resistance and easy installation.

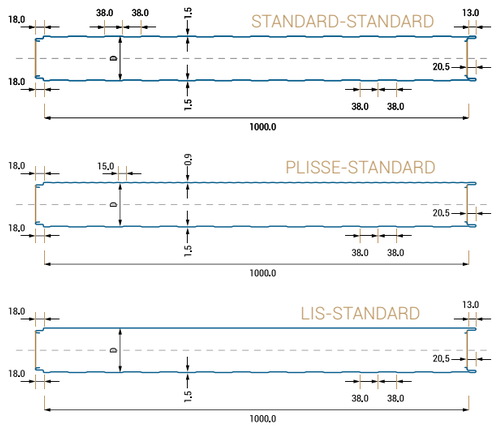
These features contribute to the efficient and timely implementation of projects, including those with high architectural and aesthetic requirements.

The PIR foam core is designed not to support the propagation of flame, ensuring added safety and long-term comfort in the use of the construction.

ISOPERn RF panels can be mounted both vertically and horizontally, depending on the specifics of the application and the requirements of the project.



ISOPERn RF



Product characteristics

- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,40-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fi**re according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOPERa

ISOPERa thermal insulation wall panels, with hidden fastening and PUR foam, offer an ideal balance between durability, energy efficiency and tightness.

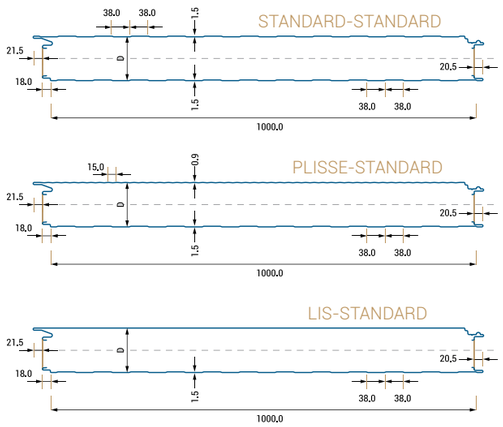
The panels ensure quick and easy assembly, thus contributing to meeting the specific execution deadlines of each project.The versatility of the fastening system ensures both vertical and horizontal assembly, depending on the specifics of the construction.

ISOPERa thermal insulation panels are suitable for a wide range of applications, including: industrial buildings for production and storage, logistics centers, shopping centers, agricultural and livestock buildings, gyms, small buildings (car washes, storage spaces).

Each application must be checked according to the individual project requirements.



ISOPERa



Product characteristics

- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,35-0,60 mm
- **Exterior sheet thicknesses:** 0,35-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 40, 50, 60, 80, 100, 120 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOPERa RF

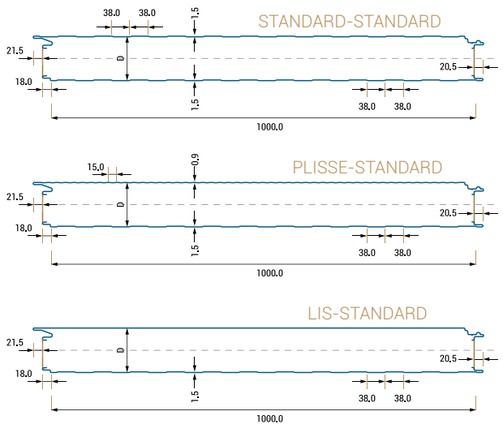
ISOPERa RF thermal insulation wall panels, with hidden fastening and PIR foam insulation core, offer a complete package of essential benefits for modern constructions: durability, energy efficiency, superior tightness, fire resistance and easy installation.

The PIR foam core is designed not to support the propagation of flame, ensuring added safety and long-term comfort in the use of the construction. ISOPERa RF panels can be mounted both vertically and horizontally, depending on the specific application and project requirements.

ISOPERa RF thermal insulation panels can be used for a wide range of constructions, such as: industrial buildings for production and storage, logistics centers, shopping centers, agricultural and livestock buildings, gyms, small buildings (car washes, storage spaces) and many others. Each application must be checked according to the individual project requirements.



ISOPERa RF



Product characteristics

- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,40-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 40, 50, 60, 80, 100, 120, mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOFRIG

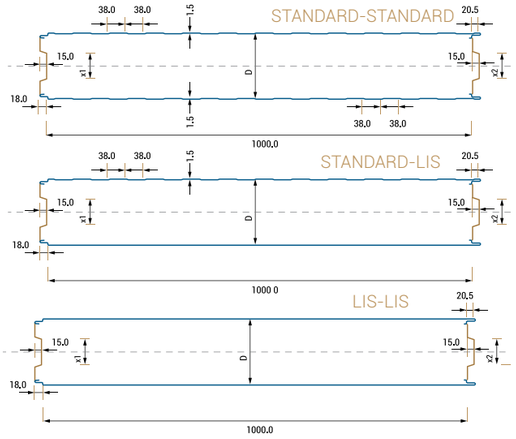
The ISOFRIG thermal insulation wall panels with „Frigo" type fastening and PUR foam are the ideal solution for the construction of cold rooms/warehouses and food processing or storage areas.

The tightness of the „Frigo" joint and the density of the insulating layer of up to 40 kg/m³ ensure a low thermal conductivity ratio and an extremely high degree of tightness. The ISOFRIG panels can be mounted both vertically and horizontally, depending on the specifics of the construction.

The ISOFRIG thermal insulation panels can be used for a wide range of constructions, such as: industrial buildings for production and storage, rooms that require storage and handling at negative temperatures. Each application must be checked according to the individual project requirements.



ISOFRIG



Product characteristics

- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,35-0,60 mm
- **Exterior sheet thicknesses:** 0,35-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 150, 200 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	---
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOFRIG RF

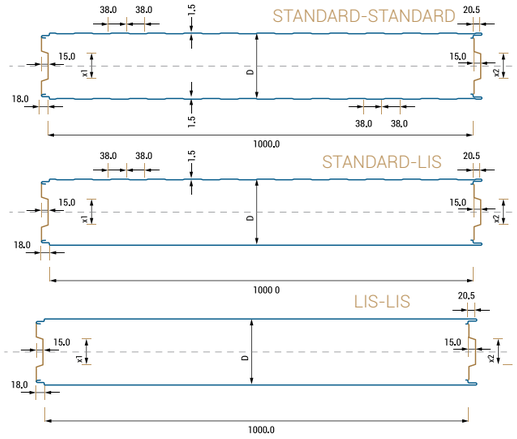
ISOFRIG RF thermal insulation wall panels with „Frigo: type fastening and PIR foam ensure high performance for temperature-controlled spaces: cold rooms/warehouses and food processing or storage spaces.

Thanks to the special „Frigo" joint and the insulation density of up to 40 kg/m³, these panels offer low thermal conductivity and an excellent level of tightness. The PIR foam core additionally contributes to the safety of the construction, having a stable fire behavior and not propagating the flame. The installation can be done both vertically and horizontally, adapting to the requirements of each project.

The ISOFRIG RF thermal insulation panels can be used for a wide range of constructions, such as: industrial buildings for production and storage, rooms that require storage and handling at negative temperatures. Each application must be checked according to the individual project requirements.



ISOFRIG RF



Product characteristics

- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,40-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 150, 200 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

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THERMAL INSULATING WALL PANELS
ISOSANOn

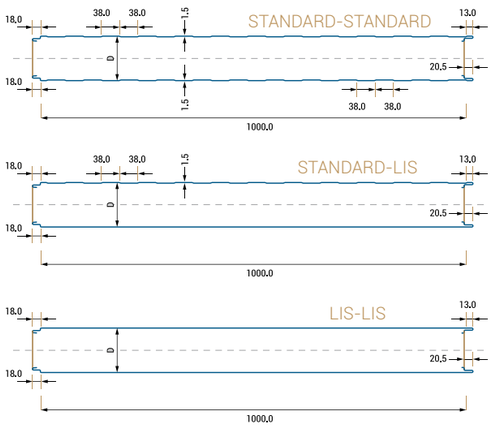
The ISOSANOn thermal insulation wall panels, with visible fastening and PUR foam, have metal faces covered with a PVC, PE film or other finishes, depending on the project requirements.

The ISOSANOn panels can be mounted both vertically and horizontally, depending on the specifics of the construction.

The ISOSANOn thermal insulation panels are suitable for the food industry, the pharmaceutical industry and other applications with strict hygiene such as laboratories.
Each application must be checked according to the individual project requirements.



ISOSANOn



Product characteristics

- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses: 30, 40, 50, 60, 80, 100, 120 mm**
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
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THERMAL INSULATING WALL PANELS
ISOSANOn RF

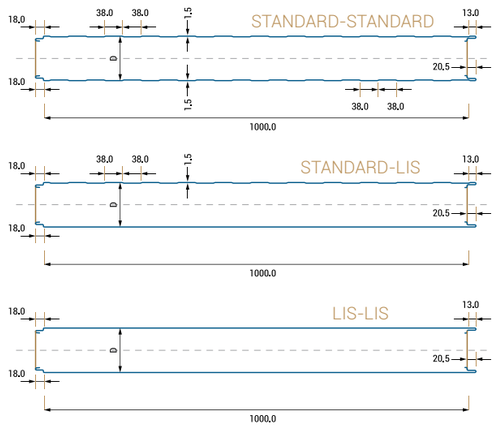
ISOSANOn RF panels are thermal insulation solutions with visible fastening and PIR foam core, designed for spaces that require high standards of hygiene and safety. The metal faces are covered with PVC, PE film or other finishes, customized according to the requirements of each project.

PIR foam offers excellent thermal insulation performance and contributes to construction safety, having stable fire behavior and not propagating the flame. The panels can be installed both vertically and horizontally, easily adapting to different types of construction.

ISOSANOn RF is the ideal choice for the food industry, pharmaceutical industry, laboratories and other applications requiring a controlled hygienic environment. An individual analysis of each project is recommended to ensure the optimal solution depending on the specifics of the application.



ISOSANOn RF



Product characteristics

- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
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- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

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Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	---
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOSANOa

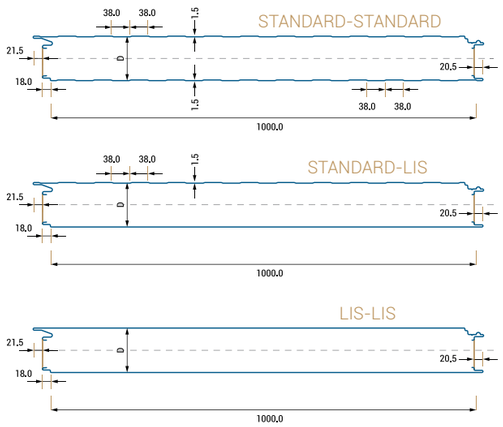
ISOSANOa panels are thermal insulation panels with hidden fastening and polyurethane foam (PUR) core, designed for applications where hygiene and aesthetic appearance are essential. The metal faces are protected with PVC, PE film or other finishes, customizable according to the specific requirements of the project.

Thanks to the hidden fastening design, the panels provide a uniform finish, making them ideal for spaces in the food industry, pharmaceutical industry, laboratories and other areas with strict hygiene and sanitation requirements.The installation is flexible and can be done both vertically and horizontally, depending on the architecture of the building.

It is important that each application be analyzed individually to ensure compatibility with the technical and functional requirements of the project.



ISOSANOa



Product characteristics

- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 40, 50, 60, 80, 100, 120 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOSANOa RF

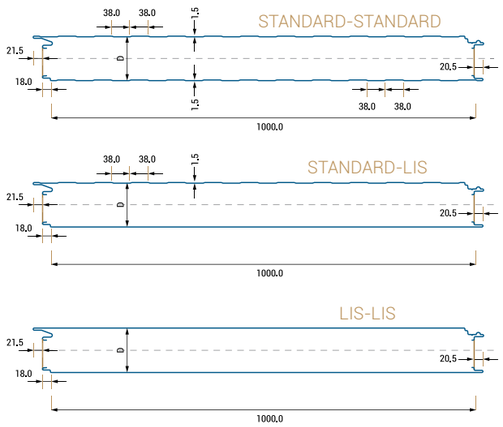
ISOSANOa RF panels are modern thermal insulation solutions, with hidden fastening and PIR rigid foam core, designed for spaces where fire safety, hygiene and visual appearance are a priority. The metal faces are protected with PVC, PE film or other options, depending on the specific requirements of each project.

The PIR foam insulation core offers high thermal performance and contributes to the safety of the building, not spreading flames in the event of a fire. The hidden fastening design ensures a clean and uniform appearance, suitable for professional spaces with strict hygiene standards. The installation is flexible and can be done both vertically and horizontally, depending on the architecture of the building.

Recommended applications include: food industry, pharmaceutical industry, laboratories and other spaces with high hygiene and sanitary requirements. It is essential that each project be analyzed individually to choose the optimal configuration.



ISOSANOa RF



Product characteristics

- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 40, 50, 60, 80, 100, 120, mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOPERn MW LS

ISOPERn MW LS thermal insulation wall panels (manufactured in TeraSteel D.O.O. Serbia) with visible fastening and mineral wool insulation ensure durability and energy efficiency, tightness, fire resistance, easy installation and timely implementation of any project with special architectural and aesthetic requirements.

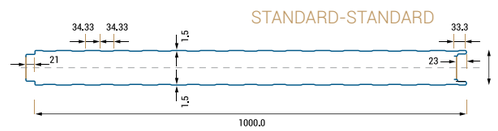
Also, the mineral wool insulating core has high fire resistance. In the event of a fire, mineral wool does not burn and does not emit toxic gases, thus ensuring safety and comfort in the subsequent operation of the building.

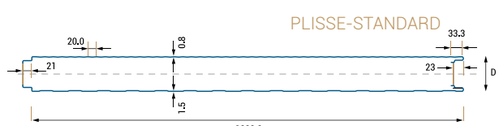
ISOPERn MW LS panels can be installed both vertically and horizontally, depending on the specifics of the construction.

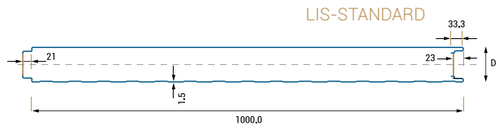
ISOPERn MW LS thermal insulation panels can be used for a wide range of constructions that require a high degree of fire resistance, such as: industrial buildings for production and storage, logistics centers, shopping centers, agricultural and livestock buildings, etc..
Each application must be checked according to the individual project requirements.



ISOPERn MW LS







Product characteristics

- **Core:** Mineral wool
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 60, 80, 100, 120, 150, 200 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 0,041 [W/mK]
- **Reaction to fi**re according to SR EN 14509:2013 A2-s1,d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
ISOPERa MW LS

The ISOPERa MW LS panels (manufactured in TeraSteel D.O.O. Serbia) are thermal insulation wall panels with hidden fastening and mineral wool core, developed for projects that impose high requirements for fire safety, durability and high-quality aesthetic finish.

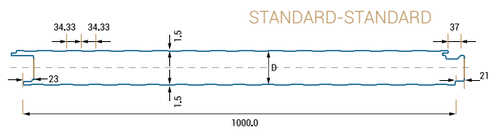
The mineral wool insulation core offers excellent resistance to high temperatures, without burning or emitting toxic gases, ensuring increased protection in the event of a fire and superior comfort in operation. The robust structure and hidden fastening design allow for harmonious integration into modern architectural projects, while maintaining energy efficiency and the tightness of the construction.

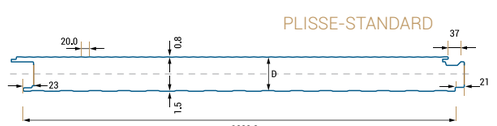
ISOPERa MW LS panels can be installed both vertically and horizontally, depending on the specifics of the construction, but we recommend vertical installation for optimal performance.

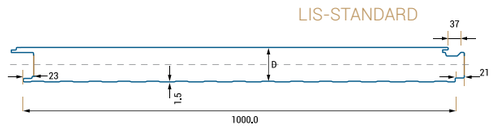
Ideal applications: industrial buildings for production and storage, logistics centers, commercial spaces, agricultural and livestock constructions and any other type of project that requires a high degree of fire protection. It is important that the solution is adapted to the specific requirements of each project.



ISOPERa MW LS







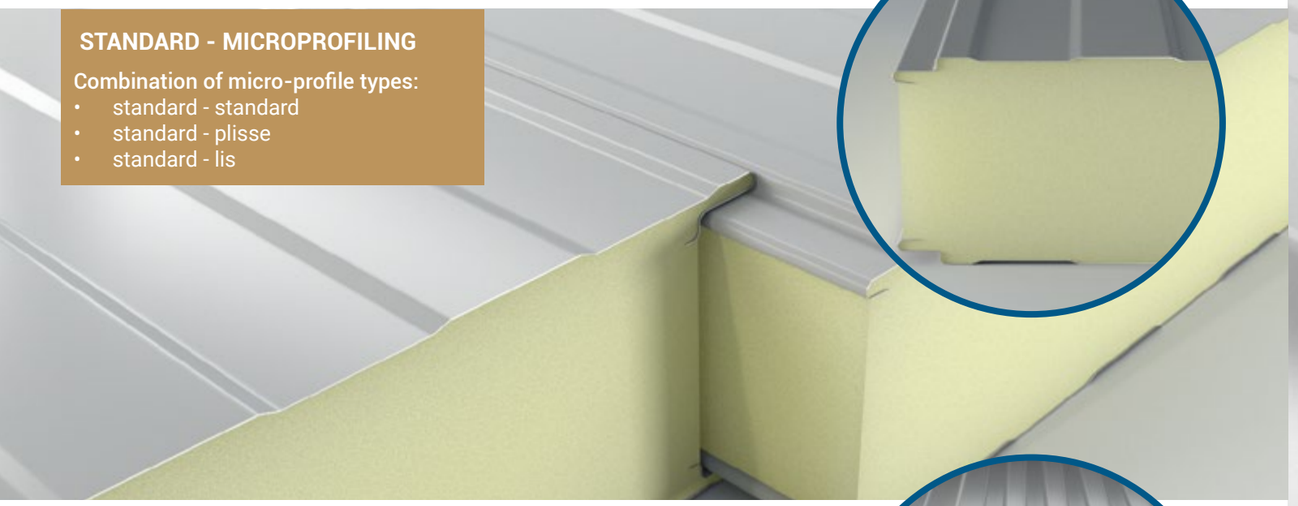
Product characteristics

- **Core:** Mineral wool
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 60,80,100,120,150 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 0,041 [W/mK]
- **Reaction to fi**re according to SR EN 14509:2013 A2-s1,d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING WALL PANELS
MICROPROFILING



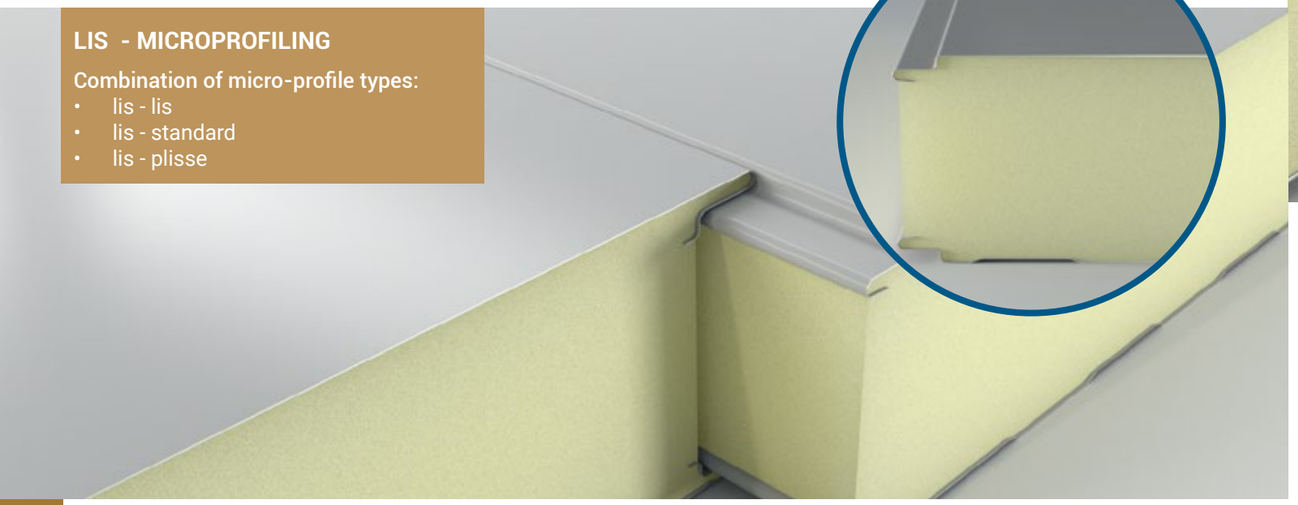
STANDARD - MICROPROFILING

Combination of micro-profile types:
- standard - standard
- standard - plisse
- standard - lis



PLISSE - MICROPROFILING

Combination of micro-profile types:
- plisse - standard
- plisse - lis



LIS - MICROPROFILING

Combination of micro-profile types:
- lis - lis
- lis - standard
- lis - plisse



TeraSteel produces a complete range of thermal insulation panels for roofs, with an insulating core made of polyurethane (PUR), polyisocyanurate (PIR) or mineral wool. Whether it is a warehouse, logistics center, production hall, office, commercial space or agricultural building, we offer various constructive solutions, adapted to the requirements of each project.

Our panels ensure: durability and energy efficiency, high tightness, quick and easy assembly, compliance with execution deadlines and harmonious integration into the architecture and aesthetics of the building.

Standard dimensions vary between 2 and 13.5 meters, and special lengths – under 2 meters or up to a maximum of 15 meters – can be made on request, with the prior approval of the technical department. For a more efficient sealing, each panel is equipped with a sealing gasket from the factory.

The products are packaged and transported according to size and color, directly from the production line, being protected with polyethylene (PE) stretch film to prevent damage to the painted surfaces.

In addition, the panels can be delivered with all the necessary accessories for safe and quick installation.

ROOF INSULATION
PANELS

THERMAL INSULATING ROOF PANELS
ISOAC3

The ISOAC3 thermal insulation roof panels with 3 reinforcement ribs and PUR foam represent a modern and efficient solution for roofing, providing any construction with improved thermal insulation, tightness and durability.

This type of panels can be used for all types of construction where the roof slope is bigger than 7%.

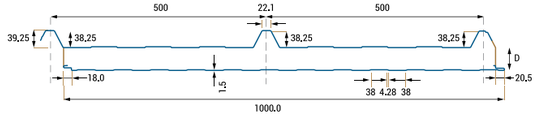
Recommended applications: industrial buildings for production and storage, logistics centers, shopping centers, agricultural and livestock buildings, gyms, small buildings (car washes, storage spaces) and many others.

Each application must be checked according to the individual project requirements.



ISOAC 3

Product characteristics



- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,35-0,60 mm
- **Exterior sheet thicknesses:** 0,35-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOAC3 RF

The ISOAC3 RF panels with 3 reinforcement ribs and PIR foam insulation core offer a modern and efficient solution for roofs, ensuring a high level of thermal insulation, tightness and resistance over time. The rigid PIR foam in the panel core contributes to the safety of the construction, having excellent fire behavior – it does not sustain combustion and does not propagate the flame – thus providing added comfort and long-term protection.

This type of panels can be used for all types of construction where the roof slope is greater than 7%.

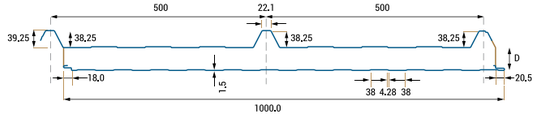
Recommended applications: industrial buildings for production and storage, logistics centers, commercial halls, agricultural and livestock buildings, gyms, car washes, storage spaces and many more.

For optimal results, it is recommended to evaluate each project according to its specific requirements.



ISOAC 3 RF

Product characteristics



- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,40-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ)** according to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOAC5

The ISOAC5 thermal insulation roof panels with 5 reinforcement ribs and PUR foam represent a modern and efficient solution for roofing, providing any construction with improved thermal insulation, tightness and durability.

This type of panels can be used for all types of construction where the roof slope is bigger than 7%.

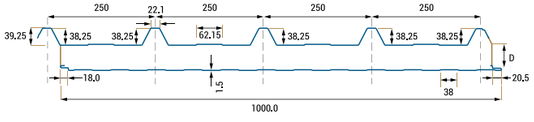
Recommended applications: industrial buildings for production and storage, logistics centers, shopping centers, agricultural and livestock buildings, gyms, small buildings (car washes, storage spaces) and many others.

Each application must be checked according to the individual project requirements.



ISOAC 5

Product characteristics



- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,35-0,60 mm
- **Exterior sheet thicknesses:** 0,35-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOAC5 RF

The ISOAC5 RF roof panels with 5 reinforcement ribs and PIR foam insulation core are designed to provide efficient and durable solutions in the roofing sector. The structure with 5 reinforcement ribs provides superior mechanical resistance, while the rigid PIR foam insulation core ensures excellent thermal performance.

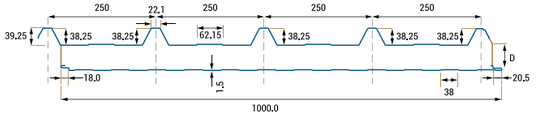
PIR foam contributes to construction safety through its stable fire behavior - it does not spread flames and does not support combustion - providing added protection and comfort in operation. Intended for roofs with a slope greater than 7%, ISOAC5 RF panels can be used in a wide variety of constructions, easily adapting to the architectural and functional requirements of each project.

Recommended applications:industrial buildings, warehouses, logistics centers, commercial halls, agricultural and livestock buildings, gyms, small constructions (e.g. car washes, annexes, storage spaces) and many others.Each application must be checked according to the individual project requirements



ISOAC 5 RF

Product characteristics



- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,40-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOSANO3

The ISOSANO3 thermal insulation roof panels with 3 reinforcement ribs and PUR foam, have metal faces covered with a PVC, PE film or other finishes, depending on the project requirements.

This type of panels can be used for all types of construction where the roof slope is greater than 7%.

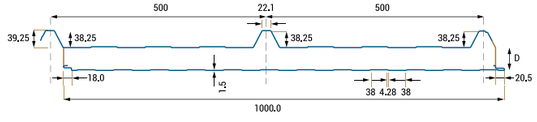
Recommended applications: food industry, pharmaceutical industry and for other applications with strict hygiene such as laboratories.

Each application must be checked according to the individual project requirements.



ISOSANO 3

Product characteristics



- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ) a**ccording to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOSANO3 RF

ISOSANO3 RF panels with 3 reinforcement ribs and PIR rigid foam insulation core are specially designed for roofs in projects where fire safety, hygiene and durability are essential. The metal faces are protected with PVC, PE film or other finishes available upon request, depending on the specifications of each project.

PIR foam offers superior thermal insulation and stable behavior in the event of a fire – it does not sustain combustion or spread flames – thus contributing to the long-term safety and comfort of the construction. The panels are recommended for roofs with a slope greater than 7% and are suitable for applications where hygiene standards are high.

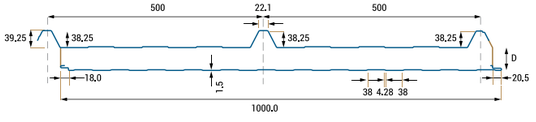
Recommended applications: food industry, pharmaceutical industry, laboratories and other spaces where hygiene and sanitary conditions are strict.

Individual evaluation of each project is required to ensure compatibility with technical and functional requirements.



ISOSANO 3 RF

Product characteristics



- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ)** according to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOSANO5

The ISOSANO5 thermal insulation roof panels with 5 reinforcement ribs and PUR foam, have metal faces covered with a PVC, PE film or other finishes, depending on the project requirements.

This type of panels can be used for all types of construction where the roof slope is greater than 7%.

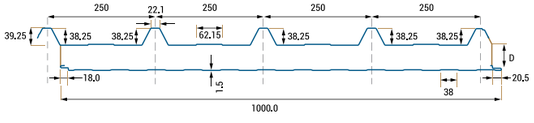
Recommended applications: food industry, pharmaceutical industry and for other applications with strict hygiene such as laboratories.

Each application must be checked according to the individual project requirements.



ISOSANO 5

Product characteristics



- **Core:** PUR polyurethane foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ)** according to SR EN 14509:2013, declared 0,029 [W/mK], initial: 0,022 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013: F

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOSANO5 RF

The ISOSANO5 RF panels with reinforcement ribs and PIR foam core are designed for applications requiring a high degree of thermal insulation, durability and strict hygiene and sanitary standards. The metal faces are covered with PVC, PE film or other special finishes, adaptable to the requirements of each project.

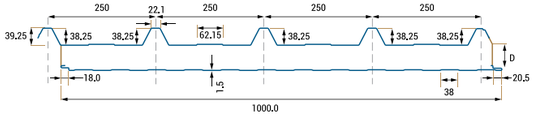
The PIR foam thermal insulation core ensures excellent fire performance, not propagating the flame and contributing to the safety of the construction. The panels are ideal for roofs with a slope greater than 7%, providing tightness, stability and a uniform aesthetic appearance.

Recommended applications: food industry, pharmaceutical industry, laboratories and other spaces that require strict hygiene and environmental control conditions. Each application must be checked according to the individual project requirements.



ISOSANO 5 RF

Product characteristics



- **Core:** PIR polyisocyanurate foam
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 30, 40, 50, 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ) ac**cording to SR EN 14509:2013 declared 0,027 [W/mK], initial: 0,024 [W/mK]
- **Reaction to fir**e according to SR EN 14509:2013: B-s1, d0

Dimensional tolerances, under SR EN 14509:2013

Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%

THERMAL INSULATING ROOF PANELS
ISOAC5 MW LS

The ISOAC5 MW LS panels (manufactured in TeraSteel D.O.O. Serbia) are thermal insulation roof panels with 5 reinforcement ribs and mineral wool insulating core, designed to meet the high requirements of fire safety, thermal insulation and mechanical resistance. The structure with 5 ribs ensures excellent rigidity, and the mineral wool core contributes to the stability of the construction, while providing an effective fire barrier.

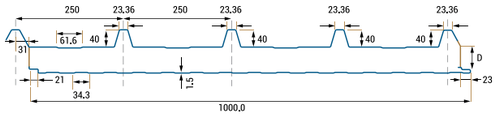
Mineral wool does not burn or release toxic gases in the event of a fire, thus providing increased protection and comfort in long-term operation. The panels are recommended for roofs with a slope greater than 7% and are suitable for a wide range of industrial and commercial applications.

Recommended applications: production halls, storage spaces, logistics centers, shopping centers, agro-zootechnical buildings and other constructions that require increased fire resistance.

Each project must be analyzed individually to ensure compatibility with technical and architectural requirements.



ISOAC 5 MW LS

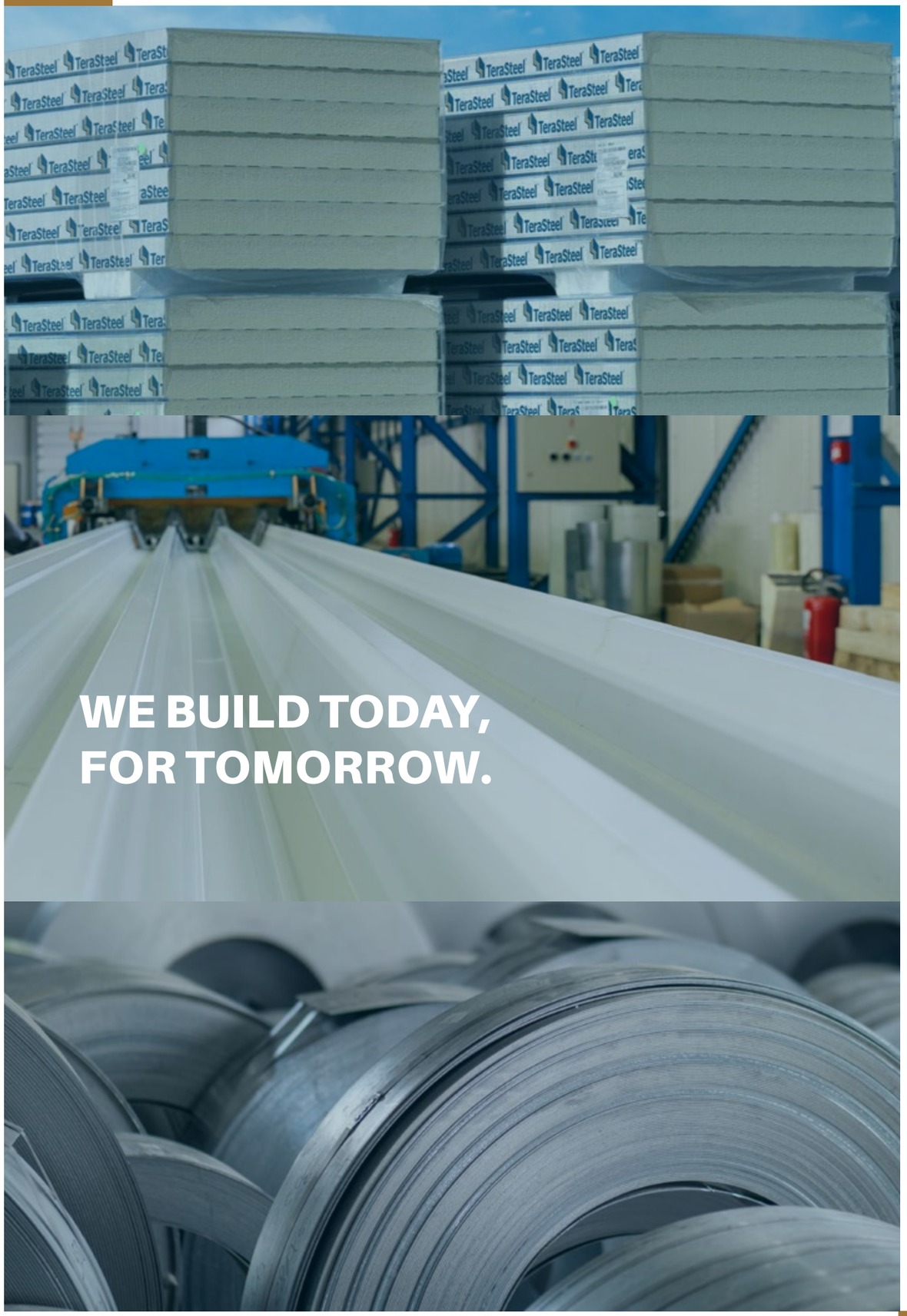


Product characteristics

- **Core:** Mineral wool
- **Steel sheet material:** pre-painted steel sheet S220GD - S250GD, according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022.
- **Interior sheet thicknesses:** 0,50-0,60 mm
- **Exterior sheet thicknesses:** 0,50-0,60 mm
- **Available coatings:** Poliester, PVC, PVDF
- **Useful width:** 1.000 mm
- **Minimum/maximum length:** 2.000 mm – 13.500 mm
- **Panel thicknesses:** 60, 80, 100, 120, 150 mm
- **Thermal conductivity (λ)** according to SR EN 14509:2013: 0,041 [W/mK]
- **Reaction to fire** according to SR EN 14509:2013 A2-s1,d0

Dimensional tolerances, under SR EN 14509:2013

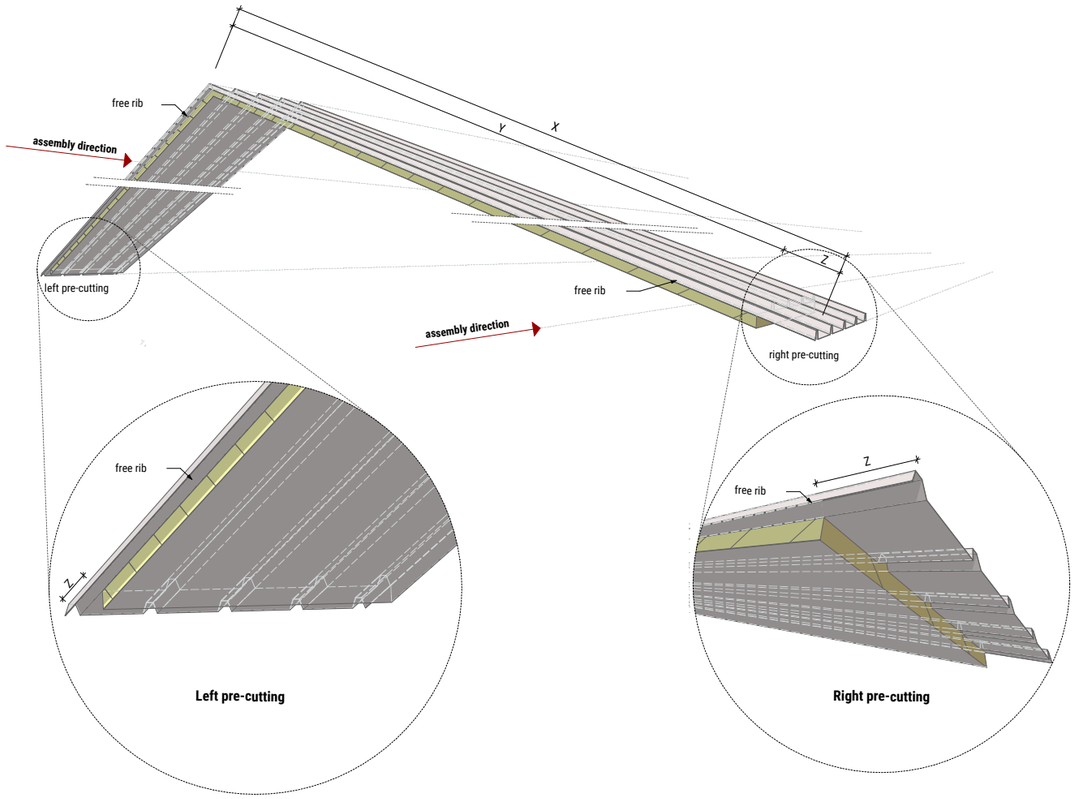
Lenght ≤ 3000 mm	± 5 mm	Useful width	± 2 mm
Lenght > 3000 mm	± 10 mm	Thickness [D] ≤ 100 mm	± 2 mm
Deflection to squareness	6 mm	Thickness [D] > 100 mm	± 2%



PRE-CUTTING OF
PANELS

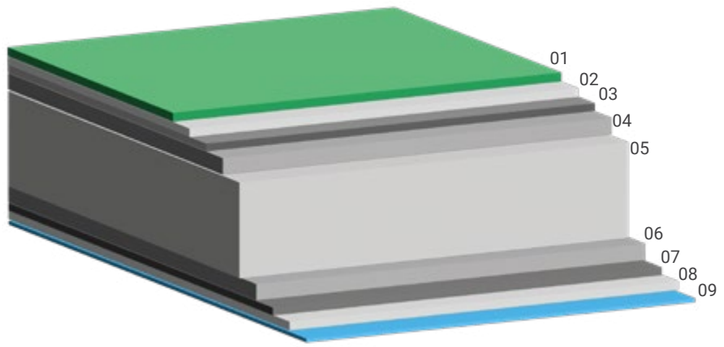
Pre-cutting of panels (cutting the bottom steel sheet and foam core) can be performed directly in the factory. Removing the foam core and the bottom steel sheet from the area that is going to be overlapped shall be performed on site.

Removing the foam core and the bottom steel sheet from the area that is going to be overlapped shall be performed on site. In order to achieve pre-cutting, the minimum length of the panels shall be 5 m.



METAL FACES

The steel sheet faces (0,4 ÷ 0,6mm) of the thermal insulating panel are made of two hot-dipped pre-painted galvanized steel sheet support layers - grade minimum S250GD, (according to SR EN 10143:2006, SR EN 10346:2015 and SR EN 10169:2022). Coatings may differ in according to customer's requirement: polyester, PVC, PVDF.



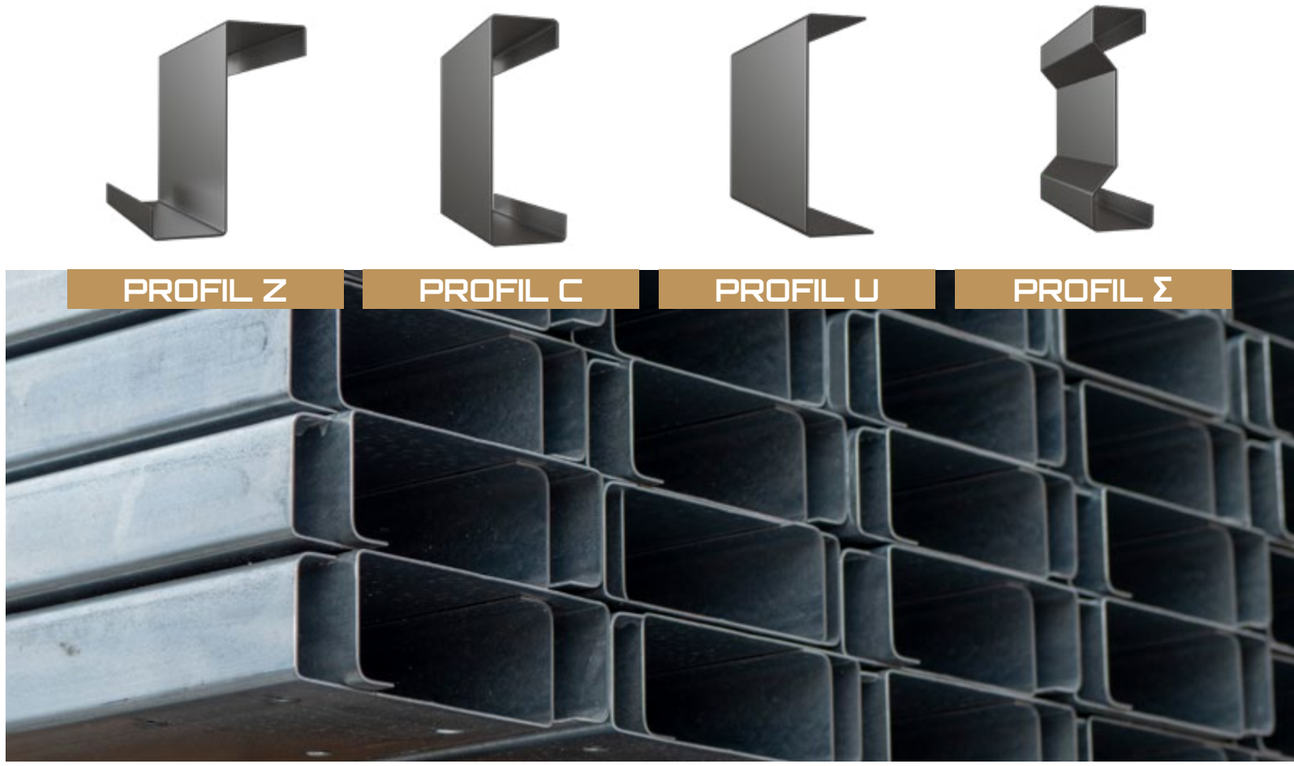
01. film protection (on request)
02. top coating
03. primer
04. pretreatment
05. steel
06. zinc layer
07. pretreatment
08. primer
09. bottom coating

GALVANIZED PROFILES
Z, C, U and Σ

Profiles made of cold formed galvanized steel are used mainly as secondary elements of the buildings resistance structures, as roof purlins or wall rulers.During the past years, these elements have also been used for laying down the actual resistance structure of the buildings.

We provide profiles type Z, C, U and Σ, with the section height from 100 mm to 400 mm, thicknesses ranged 1-4 mm, lengths ranging 2 - 13.5 m (including oversized lengths up to 15m)

- The possibility of producing profiles with special dimensions, according to the client's specification.
- Possibility of making a wide variety of perforations (sizes and shapes) directly from the production line - hole diameters from 12mm to 18mm.



DESTINATION:

C, U, Z and Σ profiles are used in constructions as:

- Side-rods for fixing thermal insulating panels or corrugated sheets
- Support and fixing profiles for doors and windows;
- Purlins for supporting roof panels;
- Elements for achieving the main resistance structure of the construction.

ADVANTAGES:

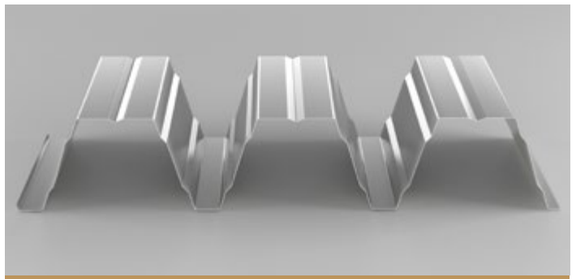
- Easy and quick assembly;
- Wide range of application, great flexibility;
- Excellent corrosion resistance;
- Increased accuracy of details;
- High strength and rigidity;
- Reduced costs for transport and assembly.

DESIGN AND CONSULTANCY SERVICES

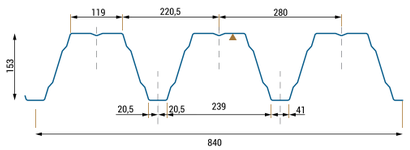
We offer consultancy in choosing the best type of profiles for building the secondary structure and choosing the suitable type of panel. Thanks to our team of designer engineers, we can provide complete structure and foundations projects, for building turnkey halls.

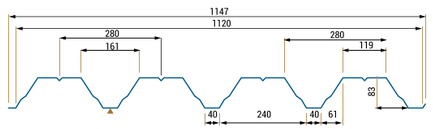
CORRUGATED METAL SHEET
TRS 153-840 and TRS 85-1120

The trapezoidal profiles TRS 153-840 and TRS 85-1120 are mainly used as load bearing profiles for low-pitched thermally insulated roof structures with rather large openings.
The profiles can be used within wet floors as lost formwork but also in the case of dry ones as support.









FIELD OF USE

- Logistic and storage buildings
- Industrial buildings
- Sport venues
- Agricultural buildings
- Renovation projects

PRODUCT CHARACTERISTICS	TRS 153-840	TRS 85-1120
Rib height	153 mm	85 mm
Cover width	840 mm	1120 mm
Minimum lenght	2.000 mm	
Maximum lenght	13.500 mm	
Thickness	0,75/0,88/1/1,25 mm; EN 10143:2006	
Material quality	S320 GD - flow limit min 320 MPa; EN 10346:2015	
Zinc plating	Z100/140/200/225/275; EN 10346:2015	
Raw material tolerance	EN 10143:2006	
Finished product tolerance	EN 1090-4:2018	EN 508-1:2021
Product standard	EN 1090-1+A1:2012	EN 14782:2006
	CE marking – Product in accordance with Regulation (EU) No. 305/2011	

MATERIALS

Thickness [mm]	Steel class	Zinc	Corrosion class	Coating	Weight [kg/m2]	Weight [kg/m2]
-	-	-	-	-	TRS 153-840	TRS 85-1120
0.75	S320 GD	Z100	C1-C2	15 µm	10.51	7.89
0.88	S320 GD	Z100	C1-C2	15 µm	12.34	9.25
1.00	S320 GD	Z100	C1-C2	15 µm	14.02	10.51
1.25*	S320 GD	Z100	C1-C2	15 µm	17.52	13.14

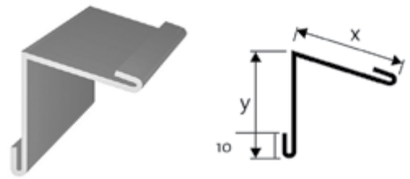
*Product available on request.

CLOSING
ACCESSORIES

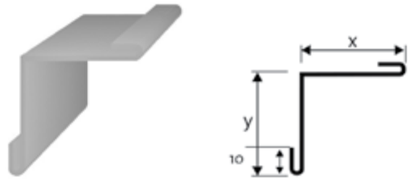
FLASHINGS

TeraSteel manufactures and supplies a wide and complete variety of standard and customized flashings, providing consultancy in choosing the proper ones. Flashings are delivered in same RAL color, as the panels. Available colors: standard RAL colors of the panels' metal faces. Materials: pre-painted galvanized steel sheet; Thickness: 0.50 mm.

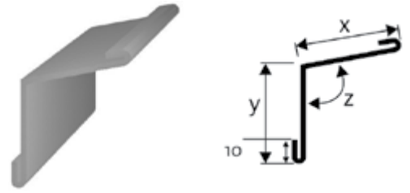
Wall-roof joint concealing profile (exterior)



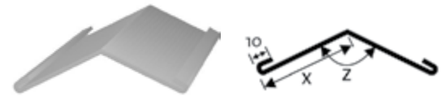
Interior corner profile



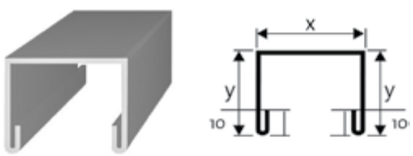
Wall-roof joint concealing profile (interior)



Under-crest



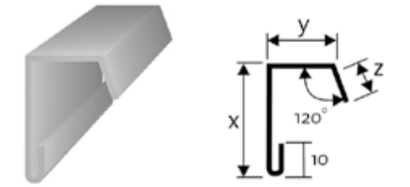
Casing (lid)



Exterior crest



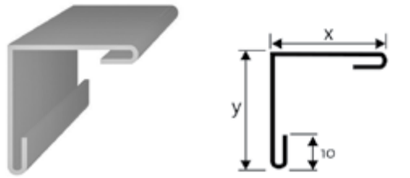
Fascia board



Covering profile



Exterior corner profile



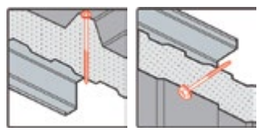
Base flashing

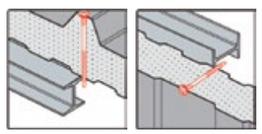


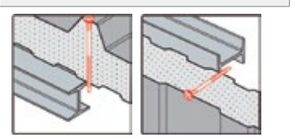
CLOSING
ACCESSORIES

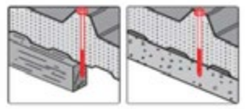
SELF-DRILLING SCREWS

made of galvanized steel, with pulley and sealing gasket, can be provided in any RAL color

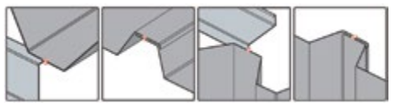
Metal structures of thicknesses up to 6mm	APPLICATION Type of panel - thickness	DIMENSION	Obs
	ISOPERa 40 ISOPER 30, ISOPER 40 ISOPER 50, 60 ISOPER 80, ISOAC 30, 40 ISOPER 100, ISOAC 50,60 ISOPER 120, ISOAC 80 ISOAC 100 ISOAC 120, ISOFRIG 150 ISOAC 150, ISOFRIG 200	5,5x50 6,3x62 6,3x82 6,3x102 6,3x122 6,3x152 6,3x172 6,3x195 6,3x235	

Metal structures of thicknesses up to 12 mm	APPLICATION Type of panel - thickness	DIMENSION	Obs
	ISOPER 30, ISOPERa 40 ISOPER 40 ISOPER 50,60 ISOPER 80, ISOAC 30,40 ISOPER 100, ISOAC 50, 60 ISOPER 120, ISOAC 80 ISOAC 100 ISOAC 120, ISOFRIG 150 ISOAC 150, ISOFRIG 200	6,3x70 6,3x80 6,3x95 6,3x115 6,3x135 6,3x155 6,3x175 6,3x195 6,3x235	

Metal structures of thicknesses up to 16 mm	APPLICATION Type of panel - thickness	DIMENSION	Obs
	ISOPER 40 ISOPER 60 ISOPER 50,60, 80 ISOAC 30 ISOAC 50 ISOPER 100, ISOAC 60	6,3x85 6,3x105 6,3x125 6,3x135 6,3x155	

Wooden structures	APPLICATION Type of panel - thickness	DIMENSION	Obs
	ISOPER 30,40,50 ISOPER 60 ISOAC 30 ISOPER 80 ISOAC 40,50 ISOPER 100 ISOAC 60 ISOPER 120 ISOAC 80,100 ISOAC 120, ISOAC 150	GTW 6,3x100 GTW 6,3x120 GTW 6,3x140 GTW 6,3x160 GTW 6,3x210 GTW 6,3x260	

Concrete structures	APPLICATION Type of panel - thickness	DIMENSION	Obs
	ISOPER 30,40,50 ISOPER 60 ISOAC 30 ISOPER 80 ISOAC 40,50 ISOPER 100,120 ISOAC 60,80 ISOAC 100, ISOPER 150 ISOAC 120 ISOAC 150 ISOPER 200	BS 6,3x100 BS 6,3x120 BS 6,3x140 BS 6,3x160 BS 6,3x180 BS 6,3x200 BS 6,3x220 BS 6,3x240	





RIVET for joining by overlapping the sheet profiles

OBS: It is recommended to fasten the roof panels onto the support wedges, using an appropriate number of screws, depending on the ribs (minimum 3). It is recommended to use metal caps for each screw. The fixing of the wall and support panels will be done in accordance with the designer's prescriptions. It is mandatory to increase the number of screws when fastening the panels to the building's edges.



METAL CAPS
Used for reinforcement of fixings of the roof panels. Provide stability and safety. May be delivered in all RAL colors.



COVERS (LIDS)
Upon request, covers can be delivered having the same color as the façade panels.

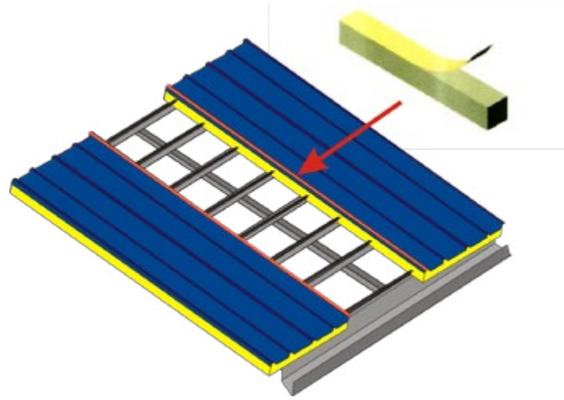
CLOSING
ACCESSORIES

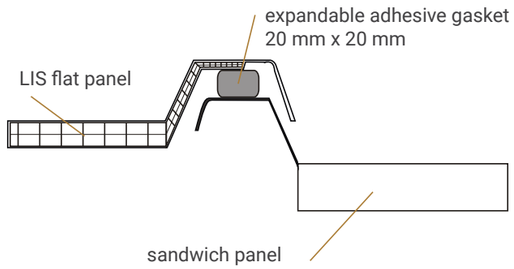
SKYLIGHTS

FLAT SKYLIGHT

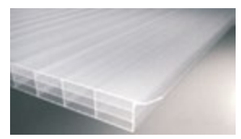
Flat skylight made of cellular polycarbonate, thickness of 40mm. It shall only be installed starting from crest to eaves (overlapping the sandwich panel is not permitted).

Width : 1000 mm.
U = 1.1W/m2*K (skylight with thickness of 40 mm)





Expandable adhesive gasket 20 mm x 20mm - shall be fixed along the side wings - between the rib of the panel and the rib of the skylight



FIVE RIBBED SKYLIGHT

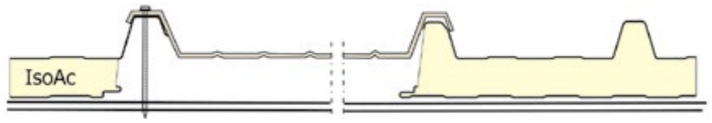
Five ribbed skylight, made of cellular polycarbonate, tickness of 10, 16 and 20mm. Used to obtain bright light strips in roof's plane made of sandwich panels or corrugated sheets. It can be installed from crest, up to a point where it may overlap with the 3 or 5 ribs sandwich panels, or from crest to the eaves.

Width: 1000 mm.
U=2.6 W/m2*K (skylight with thickness of 10 mm)
U=2 W/m2*K (skylight with thickness of 16 mm)
U=1.7 W/m2*K (skylight with thickness of 20 mm)



All skylights are provided with UV protection on the exterior side

Beam





CLOSING
ACCESSORIES

SMOKE EVACUATION TRAPS

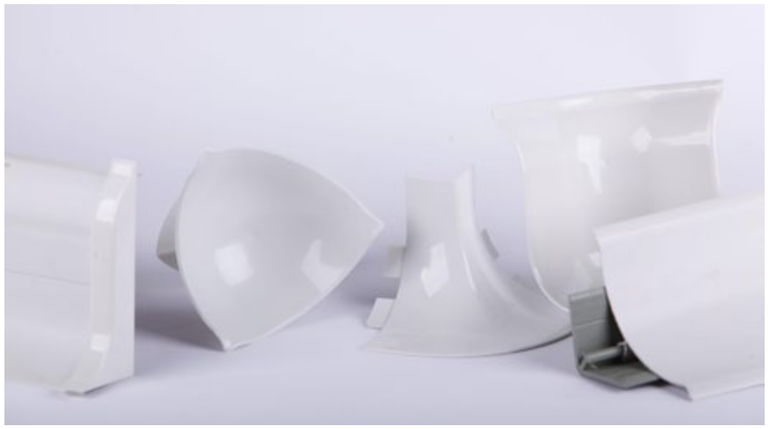
Functions of smoke evacuation traps:

- Evacuation of smoke and hot gases (the main function that defines this product).
- The opening command may be automatically and manually;
- Daily-ventilation is an optional feature ensuring the increase of comfort. Its activation can be automatically or manually.
- Natural lighting – achieved by means of glazed surface, which can be: opal colored or transparent polycarbonate of 10 or 16mm, or thermally processed acrylic glass having 1, 2 or 3 layers
- Roof access.

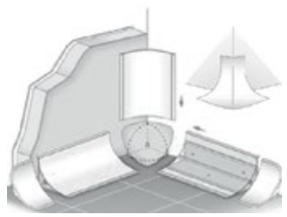


SANITARY PROFILES

We provide the entire range of PVC sanitary accessories and profiles for finishing refrigerating stores and enclosures,but also for other applications requiring severe thermal and sanitary conditions.







CLOSING
ACCESSORIES

INDUSTRIAL DOORS

Industrial doors are provided with the following features:

- 4cm thick sandwich panels;
- High resistance steel hardware;
- Gates are balanced by steel torsion spring – 50.000 openings;
- Standard doors include protection against spring-breaking, cable-breaking and finger-clutching;
- Panels can be accessorized with pedestrian access doors, glazed panels, different types of windows etc;
- Doors can be opened: manually (operated by chain gearbox), or automatically (operated by remote control/power button panel);
- Supplied with rubber seal around the perimeter;
- Galvanized rails, thickness 2mm.

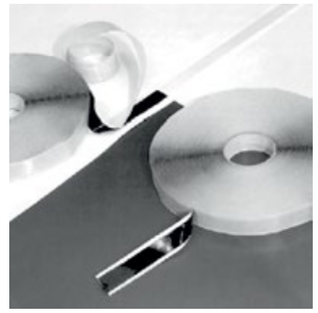


SEALING TAPES

BUTIL TAPE SF900 (thickness 2mm x width 8mm)

High performance Elastomer polymer extruded on special paper. Provides optimum sealing against water and moisture.

- Applicability: Sealing the joints of the masking profiles.



SELF-ADHESIVE TAPE MADE OF PE POLYETHILENE PE (thickness 3mm x width 20mm)

- Applicability: - Sealing sandwich panels joints



TURNKEY
HALLS

TeraSteel is the company that offers creative and technical solutions, customized for industrial and residential clients, both small and medium-sized, according to their requirements and budgets.

APPLICATIONS

- Small, medium and large industrial halls
- Administrative spaces
- Agro-zootechnical farms
- Light production spaces
- Commercial buildings
- Car service, warehouses, garages, showrooms



BENEFITS

- Consulting / Design
- Project management: in accordance with the concluded contract
- Short execution and assembly time
- Competitive quality / price ratio
- Fast completion of works, with minimal costs

COMPLETE SOLUTIONS

From the consulting stage and continuing with the design stage, we provide you with complete and integrated turnkey hall solutions ensuring that we meet all project specifications, from simple metal halls to complex structures.
Thanks to our experience in design and execution and thanks to an automated manufacturing process, fast assembly of materials an rigorous quality control, TeraSteel offers a short project cycle and an optimal value for money, resulting in metal halls that do not last only long life, but they are also easy to maintain.



DESTINATIONS

Metal halls are easy to modify and reconvert, and the variety of use of hall spaces is suitable for many areas, as they can be divided into production areas, offices, cargo reception areas, storage areas. The metal structures are designed to withstand time, and the modular nature allows disassembly and relocation to a new location. The halls are made in different construction systems that can be suitable for multiple commercial, industrial or agrifood destinations.



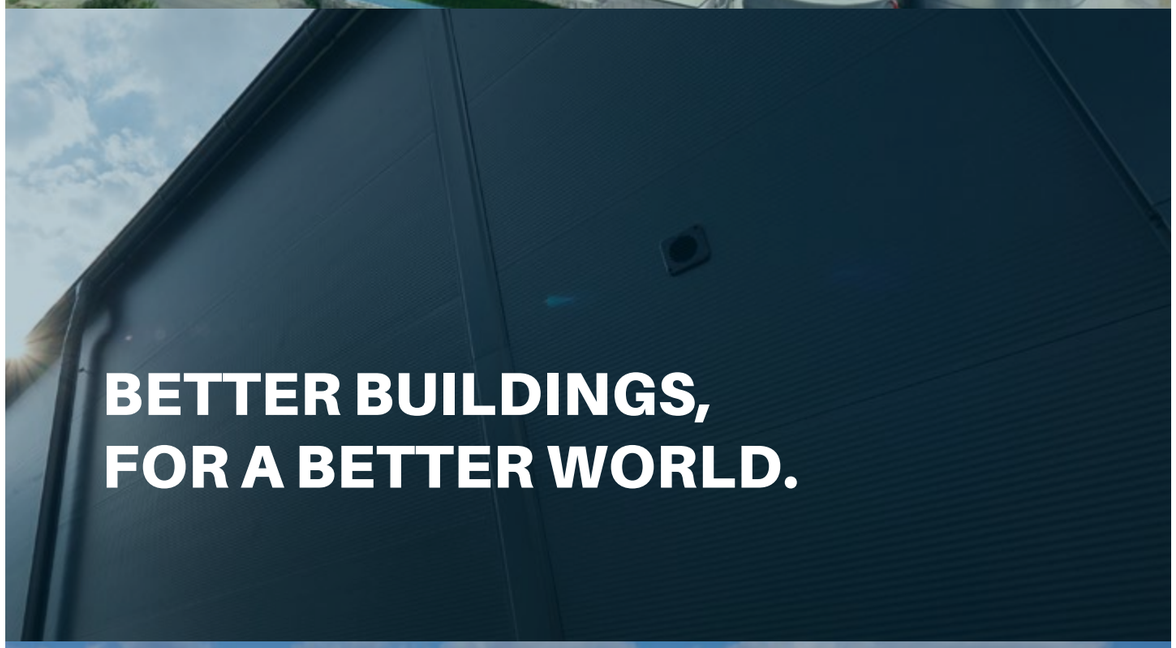
CUSTOMIZED DESIGN

TeraSteel can incorporate any custom features to transform the hall into a space perfectly tailored to your company's needs.
Wall and roof color, type and thickness of insulation, panel orientation (horizontal or vertical), inclusion of a mezzanine or areas with special functions – all these can be adapted according to your requirements

OPTIMIZED COSTS

Material consumption is optimized thanks to TeraSteel's integrated design solutions. You will be able to save time and money thanks to the quick and easy assembly ensured by the delivery on site of all the components of the hall - dimensioned, cut and anticorrosive treated components, features adapted to your project.







TOGETHER WE BUILD BETTER



TERASTEEL S.A. reserves the right to amend product specifications without prior notice. To ensure you are viewing the most recent and accurate product information, please scan the QR code or visit the following link: *terasteel.co.uk/product-catalogs*

TeraSteel
BUILD BETTER

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