



Hygienic PVC profile systems

PVC hygienic profile systems represent an **advanced solution for the cladding of areas demanding high levels of cleanliness**, such as cold stores, warehouses, food processing plants and other industrial and commercial facilities.



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Introduction

Hygienic PVC profile systems represent an advanced solution for coating areas that require high levels of cleanliness, such as cold storage rooms, warehouses, food processing plants, and other industrial and commercial facilities.

These profiles are designed to meet strict sanitary standards by facilitating cleaning and reducing the accumulation of dirt, bacteria, and viruses in critical areas, especially in corners and joints.



Their installation is simple and quick, with perforations not visible, which also reduces the need for maintenance and sealing costs.

Hygienic PVC profiles include baseboards, moldings, corner pieces, and cove profiles, forming an integrated system that **enhances the durability and hygiene of the facilities**.

Their resistance to detergents, extreme humidity, chemical agents, and temperature changes **(they perform ideally between -18°C and +60°C)** ensures their effectiveness in environments with special requirements.

Additionally, thanks to their **adaptability to irregular surfaces and smooth edges**, these profiles provide a hermetic seal without the need for additional sealants, preventing discoloration and wear in high-traffic areas.

-18°C

+60°C



Hygienic PVC profiles not only optimize cleaning but also **extend the lifespan of surfaces** by eliminating points of residue accumulation, facilitating maintenance, and promoting a safe and clean environment.

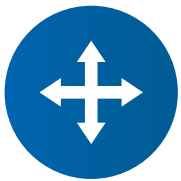
The standard system of hygienic PVC profiles is designed to meet the basic needs of hygienic coating in facilities that require frequent cleaning and the prevention of residue buildup in corners and joints.

This system includes profiles such as baseboards, moldings, and corner pieces, made of rigid PVC—a durable and easy-to-clean material that complies with sanitary regulations and is ideal for use in cold storage rooms, processing areas, and other industrial facilities.



Characteristics of the Standard PVC System

The standard PVC profile system is a reliable solution for facilities that prioritize hygiene and ease of cleaning, with components that fulfill specific functions to achieve a sanitized and durable environment in any storage, processing, or product handling area.



Versatility in Application: The standard system is compatible with both walls and ceilings and adapts well to regular and irregular surfaces, providing a cost-effective and efficient solution to maintain high hygiene levels.

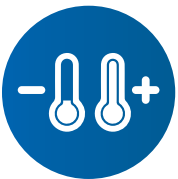


Main Components: This system includes profiles such as the baseboard, designed to be installed at the bottom of walls, preventing dirt accumulation at the floor-wall junction. Internal and external corner pieces ensure a secure fit in angles and corners, preventing bacterial buildup.





The profiles in the standard system are **equipped with flexible lips** that ensure proper sealing and prevent the passage of water or dirt. Additionally, many components are easy to assemble and disassemble, allowing for quick installation without compromising the aesthetics or functionality of the space.



Resistance and Durability: Made of PVC, these profiles withstand operating temperatures between -18°C and +60°C, making them suitable for cold and humid environments, as well as areas subject to frequent cleaning with non-abrasive detergents.



Compatibility with Other Systems: The standard system can be integrated with other PVC profiles and accessories, allowing flexibility in use and adaptability to various installation designs. Rivets or adhesive can be used to ensure a durable, leak-free installation.



The application of the **sanitary cove facilitates compliance with standards** and international guidelines, as it ensures the hygienic design of facilities by eliminating hard-to-reach points at the junctions between floors, walls, and ceilings. This system allows for smooth, rounded, and easy-to-clean surfaces, preventing the accumulation of dirt, dust, residues, and microorganisms that could compromise the quality and safety of products.

In food industry, use of sanitary coves minimizes cross-contamination in critical areas such as laboratories and clean rooms. When focused on hygiene for food, beverages, and supplements, surfaces are required to be waterproof, resistant, and easy to disinfect—conditions that this system supports.

Finally, **international standards demand facilities designed to maintain high hygiene levels**, reducing contamination risks and improving product traceability. The sanitary cove not only contributes to regulatory compliance but also enhances the quality, safety, and reliability of the final products.

Why is the application of the sanitary cove essential for regulatory compliance?

Advantages of applying the sanitary cove to comply with international standards



Hygiene and Cleanliness:

-  Eliminates hard-to-reach corners, preventing the accumulation of dirt and microorganisms.
-  Facilitates frequent and effective cleaning and disinfection processes.



Contamination Prevention:

-  Reduces the risk of cross-contamination in critical manufacturing and storage areas.
-  Contributes to the sanitary control required for pharmaceuticals, food, and beverages.



Regulatory Compliance:

-  Helps meet requirements for contamination-free facilities in pharmaceutical manufacturing.
-  Supports international standards, which requires smooth, waterproof, and easily disinfectable surfaces in the food industry.

-  Aligns with international standards, enhancing global hygienic quality.



Operational Improvement:

-  Simplifies sanitary inspections and maintenance processes.
-  Reduces costs associated with deep cleaning and addressing hygiene issues.



Final Product Safety:

-  Maintains the quality and integrity of pharmaceuticals, food, and related products.
-  Protects consumer health by minimizing contamination risks in the final product.



Durability of the installations:

-  Extends the lifespan of work areas by using hygienic and resistant materials.
-  Optimizes the functional design of facilities to meet quality standards.



Certifications and Competitiveness:

-  Facilitates national and international audits and certifications.
-  Enhances competitiveness by meeting global quality standards required by international markets.

This approach ensures that facilities not only comply with regulations but also promote quality, efficiency, and safety in production processes.



It improves operational efficiency and ensures regulatory compliance.

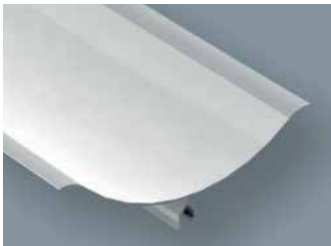


It increases the quality and safety of final products, protecting the consumer.

Products

Hygienic PVC Profiles: Standard System

The standard system of hygienic PVC profiles consists of the following components, each designed to fulfill a specific function in protecting corners and joints:

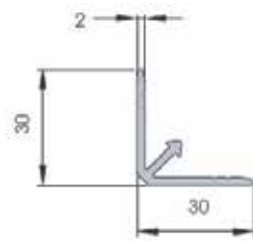


CO 100 Sanitary Coving in PVC: a curved molding designed to create hygienic joints at wall-to-wall or wall-to-ceiling junctions. This profile prevents residue accumulation, facilitates cleaning, and is ideal for maintaining high hygiene standards in sensitive areas.

Length 4.000 mm

Packing 25 pz / box

Available colors: White 9010, White 9002, Grey 9023

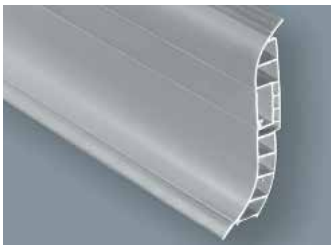


COPF 100-65 PVC Support Profile: a PVC profile that serves as the installation support for the CO 100 sanitary coving.

The COPF 100-65 comes pre-drilled from the factory to facilitate installation, reducing assembly time and ensuring faster, more precise placement. Also available in Aluminum.

Length 4.000 mm

Packing 25 pz / box



PL100R Sanitary Skirting Profile: a skirting profile placed at the bottom of walls to prevent the accumulation of dirt and residues at the wall-floor angle. This profile features flexible lips that ensure a hermetic seal, preventing leaks and facilitating cleaning.

Length 4.000 mm

Packing 25 pz / box

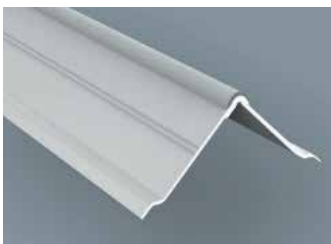


CP100 Corner Protector: this profile is placed on the vertical corners of walls to protect them from impacts and wear, especially in high-traffic areas. It offers robust protection without compromising aesthetics, keeping corners in optimal hygiene and cleanliness conditions.

Length 4.000 mm

Packing 10 pz / box

Available colors: White 9010, White 9002, Grey 7040, Yellow 1018



CPF100 Angular Corner Support: a support profile used in combination with the CP100 corner protector, providing secure mounting and additional stability at joints.

Length 4.000 mm

Packing 10 pz / box



CPT100 Corner Protector Cap: this component acts as a final cap for the CP100 corner protection profiles, providing a clean and professional finish in PVC installations. Its use ensures no exposed edges, improving hygiene and durability.

Packing 40 pz / box

Available colors: White 9010, White 9002, Grey 7040



CO3V100 3-Way Corner: designed for junctions with the CO 100 sanitary coving in three directions at internal corners, this profile ensures a continuous and hygienic finish at triple junctions, preventing residue accumulation in these complex areas

Packing 100 pz / box

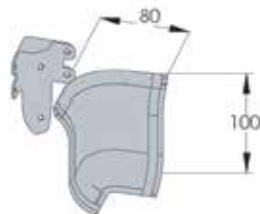
Available colors: White 9010, White 9002, Grey 9023



CO2VE100 2-Way External Corner Piece: this profile is designed to join the CO 100 sanitary coving at external corners, completing the sanitary coving system at external angles as well.

Packing 100 pz / box

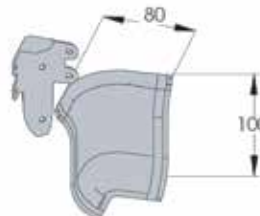
Available colors: White 9010, White 9002, Grey 9023



PL3I100 3-Way Internal Corner Piece for Sanitary Skirting: this profile is used to connect sections of PL100R sanitary skirting and CO 100 sanitary coving at internal corners, achieving a firm and easy-to-clean joint between sections.

Packing 50 pz / box

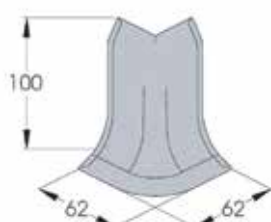
Available colors: White 9010, White 9002



PL2I100 2-Way Internal Corner Piece for Sanitary Skirting: this profile is used to connect sections of PL100R sanitary skirting without connection to the sanitary coving.

Packing 50 pz / box

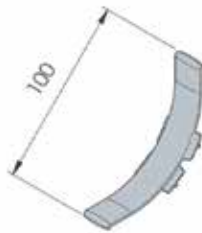
Available colors: White 9010, White 9002



PL2E100 2-Way External Corner Piece for Sanitary Skirting: designed to join PL100R sanitary skirting at external corners, this profile ensures continuity of the skirtings around external corners, maintaining a uniform appearance and hygienic seal.

Packing 50 pz / box

Available colors: White 9010, White 9002



COJ Sanitary Coving Joining Profile: this accessory is used to connect sanitary coving profiles placed in a straight line, offering a hygienic and aesthetic joining solution that ensures alignment and stability between sections.

Packing 50 pz / box

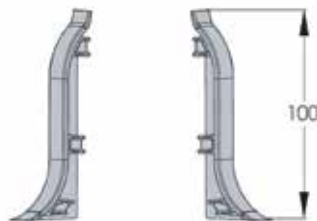
Available colors: White 9010, White 9002, Grey 9023



COT100 Sanitary Coving Termination Cap: a termination profile used at the edge of the CO 100 sanitary coving, closing the installation and providing a clean appearance.

Packing 100 pz / box

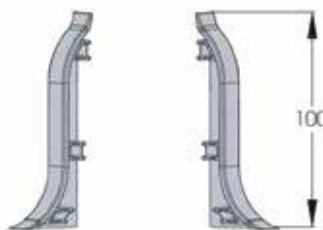
Available colors: White 9010, White 9002, Grey 9023



PLTDX Right-Side Termination Cap for Sanitary Skirting: a termination accessory for the right side of PL100R skirting, providing an aesthetic finish while protecting and sealing the ends.

Packing 100 pz / box

Available colors: White 9010, White 9002



PLTSX Left-Side Termination Cap for Sanitary Skirting: a termination accessory for the left side of PL100R skirting, providing an aesthetic finish while protecting and sealing the ends.

Packing 100 pz / box

Available colors: White 9010, White 9002

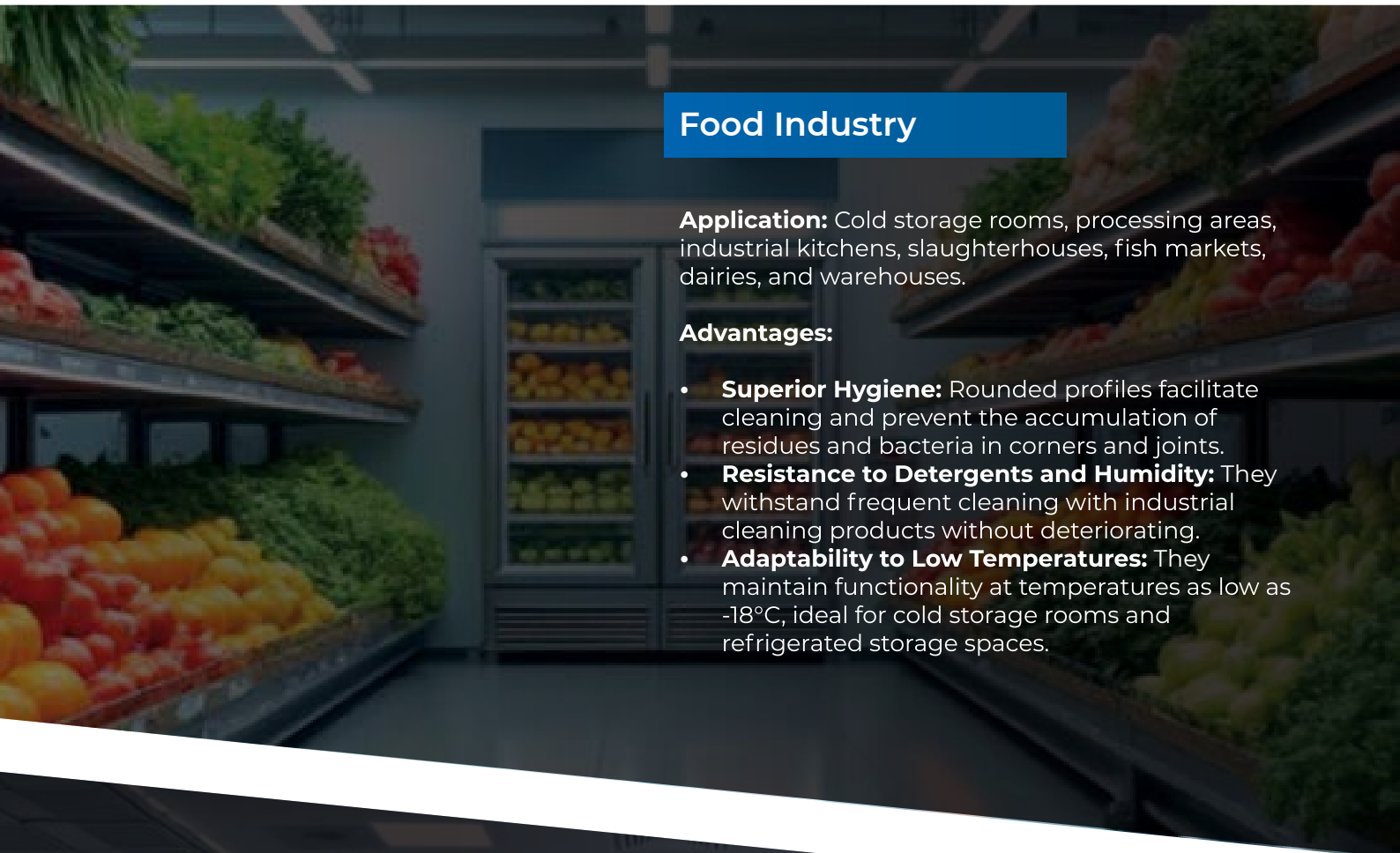


PHJ 100 Sanitary Skirting Joint: it connects PL100R PVC sanitary skirting profiles in a straight line, to ensure a hygienic and aesthetic union, providing continuity across large wall surfaces without compromising hygiene, thanks to its soft edges that help seal the joints. To install with TH caps (included).

Packing 100 pz / box

Available colors: White 9010, White 9002

**Examples of applications of the standard
hygienic PVC profile system in different sectors,
along with specific advantages in each:**

A photograph of a modern grocery store produce section with various fruits and vegetables on shelves. A blue banner is overlaid on the right side.

Food Industry

Application: Cold storage rooms, processing areas, industrial kitchens, slaughterhouses, fish markets, dairies, and warehouses.

Advantages:

- **Superior Hygiene:** Rounded profiles facilitate cleaning and prevent the accumulation of residues and bacteria in corners and joints.
- **Resistance to Detergents and Humidity:** They withstand frequent cleaning with industrial cleaning products without deteriorating.
- **Adaptability to Low Temperatures:** They maintain functionality at temperatures as low as -18°C, ideal for cold storage rooms and refrigerated storage spaces.

A photograph of a laboratory with several people in white lab coats and blue hairnets working at a long counter. A blue banner is overlaid on the left side.

Health and Pharmaceutical Sector

Application: Laboratories, sterilization rooms, operating rooms, and pharmaceutical production areas.

Advantages:

- **Sterile Environment:** Hermetic joints eliminate the need for sealants, which can accumulate residues over time, ensuring an easily disinfectable environment.
- **Regulatory Compliance:** Helps meet strict sanitary standards with smooth, easy-to-clean surfaces that prevent pathogen proliferation.
- **Durability in Laboratory Conditions:** Withstands exposure to chemical agents and frequent cleaning without losing physical properties or color.

Logistics and Storage

Application: Refrigerated warehouses, distribution centers, and logistics for food and pharmaceuticals.

Advantages:

- **Enhanced Thermal Insulation:** Helps maintain internal temperatures, aiding in the energy efficiency of storage.
- **Impact Protection:** Profiles such as CO100 protect walls and corners from impacts by forklifts and internal transport equipment.
- **Ease of Installation and Maintenance:** Reduced maintenance costs thanks to quick installation and resistance to physical damage, ideal in high traffic areas.

Restaurants and Commercial Kitchens

Application: High-use kitchens, washing areas, and food preparation zones.

Advantages:

- **Resistance to Frequent Washing:** Profiles withstand constant cleaning and detergent use without deteriorating.
- **Professional and Durable Aesthetics:** Profiles maintain a clean and uniform appearance, enhancing the presentation of visible areas.
- **Easy Installation in Existing Areas:** Can be applied over existing surfaces, saving time and renovation costs in operational kitchens.



Agricultural and Fresh Food Processing Sector

Application: Agricultural product processing plants, washing areas, and fresh product storage.

Advantages:

- **Contamination Prevention:** Rounded corners minimize residue and pathogen retention in food handling areas.
- **Resistance to Temperature and Humidity Changes:** Maintains integrity in high-humidity environments and temperature fluctuations, common in agricultural production.
- **Easy to Replace or Expand:** Modular profiles facilitate the expansion of facilities or replacement of damaged parts without dismantling the entire structure.



Washing Facilities and Industrial Warehouses

Application: Cleaning and disinfection facilities, chemical product warehouses.

Advantages:

- **High Chemical Resistance:** Withstands aggressive cleaning products and chemicals without wear.
- **Protection Against Damage and Corrosion:** PVC profiles do not corrode and are ideal for environments exposed to humidity and corrosive agents.
- **Facilitates Waste Management:** Rounded designs channel water and detergents, allowing effective drainage to the floor and reducing the risk of stagnation.



Quality Assurance and Certification of Hygienic PVC Profiles

At Globe Panels, we take pride in ensuring that our hygienic PVC profiles meet the highest standards of quality, safety, and durability, backed by rigorous testing and international certifications. This assurance is designed to guarantee that our products not only meet but exceed expectations in industrial, commercial, and sanitary applications.



Standards Met

Our manufacturing processes and products are aligned with internationally recognized standards, including:

- **ISO 9001:2015** for Quality Management Systems, ensuring rigorous and consistent control at all production stages.
- **ISO 14001:2015** for Environmental Management, highlighting our commitment to sustainability and reducing environmental impact in our processes.
- Applicable **Occupational Health and Safety Regulations** for each environment, promoting safe products for handling and installation.



Production Process

Our production chain ensures superior quality through:

- **Selection of High-Quality Raw Materials:** We use only the highest quality PVC, optimized for durability and resistance in demanding environments.
- **Control in Extrusion and Molding Processes:** Each profile is manufactured with precision, ensuring uniformity in all dimensions and product characteristics.
- **Quality Inspection at Every Production Stage:** We conduct constant checks at each stage, from raw materials to the finished product.



Test Results and Certification

Our PVC profiles have undergone rigorous testing to certify their quality and resistance, including:

- **Chemical Resistance:** Resistant to industrial cleaning products and chemical agents without material degradation.
- **Dimensional Stability:** Maintains shape and structure under normal use conditions and temperature changes.

- **Quality Inspection at Every Production Stage:** We conduct constant checks at each stage, from raw materials to the finished product.



Technical Properties of Hygienic PVC Profiles

Mechanical Properties:

- Specific Weight: 1.42 g/cm³ (ISO 1183)
- Yield Strength: 58 MPa (DIN EN ISO 527)
- Elongation at Break: 15% (DIN EN ISO 527)
- Elongation at Yield: 3% (DIN EN ISO 527)
- Modulus of Elasticity: 3000 MPa (DIN EN ISO 527)
- Shore D Hardness: 82 (ISO 868)
- Impact Resilience: 4 KJ/m² (DIN EN ISO 179)

Thermal Properties:

- Melting Point: 86/90°C
- Operating Temperature: -18°C to +60°C
- Linear Expansion Coefficient: $0.8 \times 10^{-4} \text{ K}^{-1}$ (DIN 53752)
- Thermal Conductivity: 0.159 W/m·K (DIN 52612)
- Combustion Behavior: V0 (UL 94)

Dielectric Properties:

- Dielectric Strength: 39 KV/mm (IEC 243-1)
- Surface Resistance: 10^{13} Ohm (DIN IEC 167)



Warranty Conditions

This warranty is valid for 1 year and covers defects in materials or manufacturing under normal use and proper installation of the hygienic PVC profiles. The warranty does not cover damages due to:

- Improper installation or use of non-recommended tools.
- Exposure to temperatures outside the operating range.
- Damage from severe impacts or improper use of chemicals.



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