

general catalogue



air ducts





From more than 3 generations we have been working in the air distribution ducts field.

In 1989 what was born as an adventure took a final shape, giving birth to P3.

Today P3 is part of an international, ever increasing group, whose mission is the promotion of the P3ductal preinsulated aluminium duct with the aim of turning it into an important reality in the market of air distribution ducts.

The P3ductal system is produced in some plants in the world, distributed in more than 40 countries and can count on a widespread sales network, able to give the required support to customers and consultants for a correct choice and use of the product. P3 has furthermore created a school of certified duct makers able to grant a high working standard in the manufacturing of air distribution ducts.





Following a course of continuous improvement from the technical and commercial point of view, P3 has renewed the system of construction of traditional galvanised sheet ducts, by developing the P3ductal technology which makes use of preinsulated aluminium panels, creating at the same time, accessories, tools and machinery intended for the construction and installation of air distribution ducts.

P3's force points are represented by the constant quality research on its products through a continuous commitment in the study and innovation, thanks to its internal laboratories which cooperate in close relationship with University's Research Centres, all of this to offer vanguard performances and technologically advanced materials. Since 1996 P3 is working under a quality certified standard according to the UNI EN ISO 9001.

P3ductal system

» panels «

sandwich panels with external aluminium sheet covering a closed cell insulating material



» equipment «

Automatic machinery and manual working tools studied on purpose to realize in a simple and professional way, both in a completely equipped work shop and directly at the job site, all the manufacturing and installation operation required by P3ductal ducts (plotting, cutting, bending, gluing, duct closing, section bar application, and installation).



» accessories «

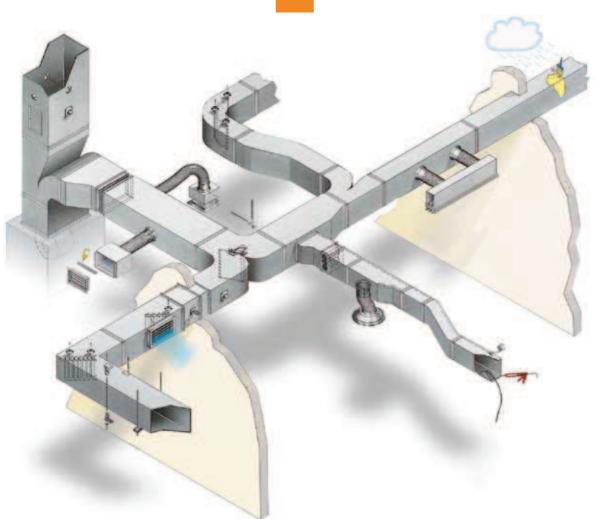
Flange, section bar and accessories for duct joining and installation.



>> knowhow <<

Technical and commercial support for consultants and contractors.





product 10 strong points

- Thermal insulation: constant and continuos in all duct sections. Special closed-cell insulation guarantees low thermal conductivity and limits the risk of condensation.
- Friction loss: the low number of flanges and limited surface roughness keep linear friction losses at very low levels.
- Airlight seal: airtightness of P3ductal ducts is eight times more than traditional ducts
- Energy saving: perfect thermal insulation and optimum airtight seal allow for maximum exploitation of air handling unit capacity, increasing efficiency and reducing operating costs.
- Hygiene and air quality: the use of aluminium for the internal surfaces of ducts ensures hygiene and cleanliness. The problem of ageing of the insulation and consequent release of particles is non-existent.
- Safety: P3ductal ducts have a low participation in fire, do not drop and smokes have a reduced opacity and toxicity. P3ductal is in conformity with the requirements of the most restrictive international regulations.
- Light weight: the very light weight allows a reduction of weight on the structures, supporting points, workmanship costs and materials necessary for the installation.
- Silent operations: the sandwich structure (aluminium insulating material aluminium) guarantees a good acoustic behaviour. Vibration and reverberation are stopped by the insulating material, contributing to a higher comfort in the environment where P3ductal is installed.
- Duralion: the outer aluminium coating coupled with the insulating material provides sturdiness, rigidity and good resistance to corrosion, erosion and deformation even in special applications.
- Construction easiness: possibility of manufacturing ducts in the work shop or directly at job site with considerable advantages on transport costs.

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Each phase has its colour

1. plotting



2. cutting



3. bending





4. gluing



5. duct closing



6. accessories application



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EPD. We have certified our ecological imprint.

P3ductal panels are produced by P3 using exclusively on a world-wide level our Hydrotec technology, based on an international patent EP 1115771 B1, which makes it possible to eliminate the greenhouse effect (GWP=0) as well as the environmental impact on the ozone in the stratosphere (ODP=0). The environmental compatibility of the P3ductal panel was obtained through the use of water in the expansion (blowing) process of the polyurethane foam, instead of the fluorogases causing greenhouse effect (i.e., CFCs, HCFCs, HFCs) and hydrocarbons (HCs). Our Hydrotec technology for expansion of the rigid polyurethane PUR complies with all the European standards and regulations and looks ahead to anticipate possible future directives which, following a restrictive line, will ban the use of all fluorogases.

Hydrotec, innovative technology!

Once chloro gases reach the atmosphere, they are hit by ultraviolet radiations and through a process of photo dissociation, they emit chloro radicals which react with the ozone causing its destruction. Traditional expansion or blowing techniques for polyurethane use the (exothermal) reaction between polyol and isocyanate to cause evaporation of a liquid with a low boiling point introduced in the mixture. These gases remain mostly trapped in the cellular structure of the polyurethane polymer being formed. As time goes by, the composition of the gas contained in the cells may vary due to its natural tendency to be in balance with the environment. This process is influenced by such factors as the type of outer coating of the foam, its density, the working temperature, the formula, the type of gas, etc. With our new P3 technology, expansion is achieved by using only the gas generated by the reaction between the isocyanate and water, combined with the reaction between polyol and isocyanate with the ensuing formation of a polyurethane chain.

From the preliminary studies to the EPD.

The EPD certification represents the greatest achievement at the end of a complicated itinerary which P3 wanted to embark on in order to obtain proof of its commitment in matters of environmental protection and to guarantee the complete eco-compatibility of P3ductal.

- The first step was that of comparing the environmental impact caused by the various expanding (blowing) agents used in different types of pre-insulated aluminium panels on the market.
- » Next, a broader study was carried out, the LCA (Life Cycle Assessment), comparing the environmental impact (in terms of GWP100) of the different types of air ducts available.
- The LCA study represented the starting point which would lead to the release of the product's environmental certification EPD (i.e., Environmental Product Declaration). In order to obtain further specification of the environmental certification making it significant for the whole sector of air ducts, P3 then proceeded to a precise definition of the standards stated in the PCR (Product Category Rules) to then pass on to a final document drafted according to ISO 14025 standards, supervised by a special supranational body (InternationI EPD System) and later published on the website www.environdec.com

The intent commitment of P3 in matters concerning environmental protection became a tangible asset with the prestigious EPD (Environmental Product Declaration). Indeed, P3 is the first company in the segment of ducts for air-handling to have an environmental declaration for the product EPD.

EPD is a document by which the company communicates clearly and explicitly the environmental performance of a product on the basis of a number of set parameters. The accuracy and correctness of the information contained in it are guaranteed by an external certification and by registration by an authorised body.

For every application the right duct



indoor applications duct system



ouldoor applications duct system



high hygiene applications antimicrobial duct system



new

easy cleaning high hygiene duct[al] system

self-cleaning and anlimicrobial duct system



aggressive applications duct system



low pressure duct system



low pressure high aesthetics duct system











Just the right panel for every duct



standard Piral HD Hydrotec panels: : standard panels for applications in interiors and with smooth aluminium for external applications in interiors where a high level of hygiene is required



Requirements

- > safety
- > eco-sustainability
- > energy saving

Applications

- > shopping malls and offices
- > theatres, cinemas, sports facilities
- > airports and railway terminals

I 5HP2 I - Piral HD Hydrotec Panel



Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/embossed

I 5HS2 I - Piral HD Hydrotec Panel





Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	200/80 μm
Finish of the aluminium	Embossed/embossed

The 200 μ m thickness of the external aluminium imparts special resistance to this panel, which can thus protect the duct from accidental shocks if fitted in exposed sections (e.g. technical room).

I 5HP3 I - Piral HD Hydrotec Big Size Panel





Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/embossed

the 30,5 mm thickness of the foam imparts a convenient degree of resistance making this panel suitable for the construction of big size ducts and reducing the number of reinforcements necessary.

I 5HB2 I - Piral MD Hydrotec



Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	60/60 μm
Finish of the aluminium	Embossed/embossed

Piral HD Hydrotec smooth panels

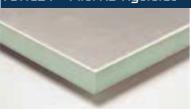
Requisites

- > high level of hygiene and air quality
- > ease of cleaning
- > ease of maintenance

Applications

- > hospitals
- > laboratories
- > foodstuffs and pharmaceutical industry

I 5HL2 I - Piral HD Hydrotec



Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/smooth

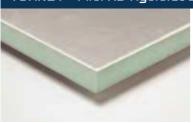


Piral HD Hydrolec smooth Panels

I 5HN2 I - Piral HD Hydrotec smooth Panel







Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/200 μm
Finish of the aluminium	Embossed/smooth

the 200 μm thickness of the internal aluminium sheet guarantees maximum resistance to any possible damage which might be done while internal cleaning operations and maintenance work take

I 50L2 I - Piral HD Hydrolec smooth Panel







Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	200/80 μm
Finish of the aluminium	Embossed/smooth

The 200 μm thickness of the external aluminium imparts special resistance to this panel, thus protecting the duct from accidental shocks if fitted in exposed sections (e. g. technical room).

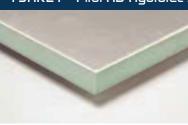
I 5HR2 I - Piral HD Hydrotec smooth Panel











Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	200/200 μm
Finish of the aluminium	Embossed/smooth

the 200 μm thickness of the internal sheet guarantees resistance to any possible damage which might be done while internal cleaning operations and maintenance work take place. The 200 μm thickness of the external aluminium makes the panel resistant to accidental shocks if it is fitted in exposed sections.

15HL31 - Piral HD Hydrotec smooth Panel







Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/smooth

the 30.5 mm thickness of the foam imparts special resistance to this panel, making it suitable for the construction of big size ducts and reducing the number of reinforcements necessary.

Piral HD Hydrotec outsider Panels: panels for standard external applications and for applications outdoors for rooms where a high level of hygiene is required

Requisites

- > resistance to atmospheric agents, to wind and snow
- > resistance to perforations and to accidental shocks

Applications

- > shopping malls and offices
- > theatres, cinemas, sports facilities
- > airports and railway terminals

I 5HS3 I - Piral HD Hydrotec outsider Panel





Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	200/80 μm
Finish of the aluminium	Embossed/embossed

The 30,5 mm thickness of the foam and the 200 μm of the external aluminium impart to this panel special resistance to atmospheric agents and accidental shocks. It should be used in combination with the waterproofing sheath Gum Skin.

Just the right panel for every duct

Piral HD Hydrotec outsider smooth panels

Requirements

- > resistance to atmospheric agents
- > resistance to shocks and to accidental perforation
- > high air quality

Applications

- > hospitals
- > laboratories
- > foodstuffs and pharmaceutical industry

I 50L3 I - Piral HD Hydrotec outsider smooth Panel



Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	200/80 μm
Finish of the aluminium	Embossed/smooth

The 30,5 mm thickness of the foam and the 200 μm of the external aluminium impart to this panel special resistance to atmospheric agents and accidental shocks and the internal coating in smooth aluminium makes this panel suitable for the construction of ducts to be fitted outdoors at the service of rooms where a high level of hygiene is required. It should be used in combination with the waterproofing sheath Gum Skin.

I 5HR3 I - Piral HD Hydrotec outsider smooth Panel









Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	200/200 μm
Finish of the aluminium	Embossed/smooth

The 30,5 mm thickness of the foam and the 200 μ m of the external aluminium impart to this panel special resistance to atmospheric agents and accidental shocks and the internal coating in smooth aluminium makes this panel suitable for the construction of ducts to be fitted outdoors at the service of rooms where a high level of hygiene is required. It should be used in combination with the waterproofing sheath Gum Skin.

2 I GSO I - Waterproofing Sheath Gum Skin



This waterproofing sheath is resistant to UV rays and to freezing and thawing cycles. The inner-action additives, fungicides, bactericides and plasticising agents cause the product to remain completely unaltered over time, even in conditions of average industrial pollution. Standard colour: grey; other colours available upon request. Packaging: 15-litre drum.

21GZO1 - Ouldoor gauze



Reinforcement gauze to be applied in correspondence of the joining flanges for outdoor installations, together with Gum Skin waterproofing treatment

For further information on the construction method, please check our handbook for the construction and installation of ducts



Piral HD Hydrotec Panels with antimicrobial treatment: : panels with antimicrobial treatment for applications in places where a high level of hygiene is required



Requirements

- > high air quality
- > absolute hygiene

Applications

- > operating theatre
- > white rooms

I 5HL2 I ABT - Piral HD Hydrotec Panel with antimicrobial treatment





Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

The internal smooth aluminium coating and the antimicrobial treatment make this panel suitable for the construction of ducts at the service of rooms where a high degree of hygiene is required.

Piral HD Hydrotec panels with antimicrobial treatment

I 5HN2 I ABT - Piral HD Hydrotec Panel with antimicrobial treatment







Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/200 μm
Finish of the aluminium	Embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

the 200 μ m thickness of the internal sheet guarantees maximum resistance to any possible damage which might be done while internal cleaning operations and maintenance work take place. This, together with the internal aluminium coating and the antimicrobial treatment make this panel most suitable for the construction of ducts in places where high level of hygiene is required.

I 50L3 I ABT - Piral HD Hydrotec outsider Panel with antimicrobial treatment







Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	200/80 μm
Finish of the aluminium	Embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

The 30,5 mm thickness of the foam and the 200 μ m of the external aluminium impart to this panel special resistance to atmospheric agents and to shocks. This, together with the internal smooth aluminium coating and the antimicrobial treatment make this panel suitable for the construction of ducts to be fitted outdoors at the service of rooms where a high level of hygiene is required. It should be used in conjunction with the waterproofing sheath Gum Skin.

I 5HR3 I ABT - Piral HD Hydrotec outsider Panel with antimicrobial treatment









Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	200/200 μm
Finish of the aluminium	Embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

The 30,5 mm thickness of the foam and the 200 μm of the external aluminium impart to this panel special resistance to atmospheric agents and to shocks. This, together with the internal smooth aluminium coating and the antimicrobial treatment make this panel suitable for the construction of ducts to be fitted outdoors at the service of rooms where a high level of hygiene is required. It should be used in conjunction with the waterproofing sheath Gum Skin.



P3ductal careplus - antimicrobial panels with self-cleaning nanostructured coating to be used in environments which require high levels of hygiene.





Requirements

- > highest air quality
- > total cleaning
- > absolute hygiene

Applications

- > operating rooms
- > clean rooms

15HL21PLUS - Piral HD Hydrotec panel with self cleaning and antimicrobial treatment





Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/Smooth
Self cleaning and antimicrobial treatment	Internal side

the internal smooth self-cleaning and antimicrobial aluminium makes this panel ideal for ducts at the service of environments with the highest hygiene requirements.

Just the right panel for every duct

P3ductal careplus

I 5HN2 I PLUS - Piral HD Hydrotec panel with self cleaning and antimicrobial treatment







Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/200 μm
Finish of the aluminium	Embossed/smooth
Self cleaning and antimicrobial treatment	Internal side

The 200µm thick internal aluminium guarantees maximum resistance to potential damage during maintenance and internal cleaning. This together with the internal smooth self-cleaning and antimicrobial aluminium makes this panel ideal for the construction of ducts at the service of environments with the highest hygiene requirements.

I 50L3 I PLUS - Piral HD Hydrotec panel with self cleaning and antimicrobial treatment







Size of panel	4000x1200 mm
Thickness of panel	30,5 mm
Thickness of external/internal aluminium	200/80 μm
Finish of the aluminium	Embossed/smooth
Self cleaning and antimicrobial treatment	Internal side

The 30,5 mm foam and 200µm external aluminium, confer to the panel resistance to the atmospheric agents and accidental damage. This together with the internal smooth self-cleaning and antimicrobial aluminium makes this panel ideal for the construction of outdoor ducts at the service of environments with the highest hygiene requirements. To be used together with Gum Skin waterproofing.

I 5HR3 I PLUS - Piral HD Hydrotec Outsider panel with self cleaning and antimicrobial treatment







Size of panel	4000x1200 mm		
Thickness of panel	30,5 mm		
Thickness of external/internal aluminium	200/200 μm		
Finish of the aluminium Embossed/sm			
Self cleaning and antimicrobial treatment	Internal side		

The 30,5 mm foam and 200µm external aluminium, confer to the panel resistance to the atmospheric agents and accidental damage. This together with the internal smooth self-cleaning and antimicrobial aluminium makes this panel ideal for the construction of outdoor ducts at the service of environments with the highest hygiene requirements. To be used together with Gum Skin waterproofing.

Piral HD Hydrotec Panels combined with polyester: panels for applicalions in places with an aggressive almosphere



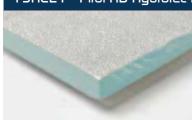
Requirements

- > resistance to aggressive types of atmosphere
- > resistance to corrosion

Applications

- > swimming-pools
- > dairies
- > cheese-ripening rooms

I 5HE2 I - Piral HD Hydrotec Panel combined with polyester



Size of panel	4000x1200 mm
Thickness of panel	20,5 mm
Thickness of external/internal aluminium	80/80 μm
Finish of the aluminium	Embossed/embossed

This panel is equipped with a polyester film of 13 μ m





automatic workshop

CONSTRUCTION PHASES with automatic equipment



I plotting

In this phase, the perimeter of the single piece that will compose the finished duct (linear or fitting) after cutting and assembling is plotted on the panel.



2 culting

Using the appropriate tools (manual or automatic) in this phase, the single pieces to be used in the fabrication of the duct are cut from the panel.



3 bending

In this phase (required only for the production of duct fittings), indentations are applied to the piece of panel allowing the panel to be adapted to the shapes of the finished duct.



4 gluing

During gluing, all pieces produced above are assembled with the use of special glues and the finished duct takes shape.



5 closing

In this phase, the duct is trimmed and finished through pressing and taping.



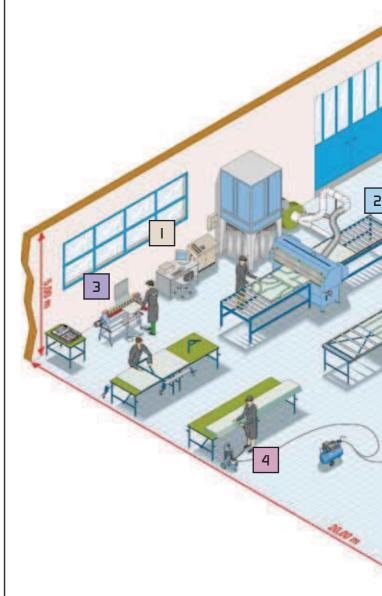
6 accessories application

Using specific tools and glues, the section bars required are applied to the finished duct. When the duct is installed, these section bars permit easy connection of the single pieces for the completion of the air distribution system.



 BravoP3 software (code 22PT09)

>>



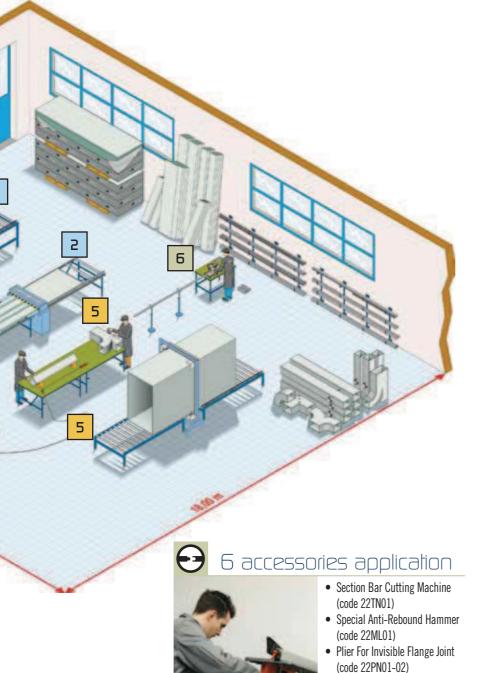
For the correct construction of duct by means of the automatic equipment it is necessary to have, further to the machinery, also a working table with matting (see page 34), squares (see page 34), rulers (see page 35), a tool box (see page 32)



- Computerized Cut System Machine (CAM) (code 22PT01)
- Automatic Straight Cut Machine (code 22LN30)



- Electric Plate Bending Roll width 1200 mm (code 22CL05)
- Electric Plate Bending Roll width 2000 mm (code 22CL06)





• Hydroglue spray system (code 22ISO1)





 Ducts closing machine (code 22MC01)

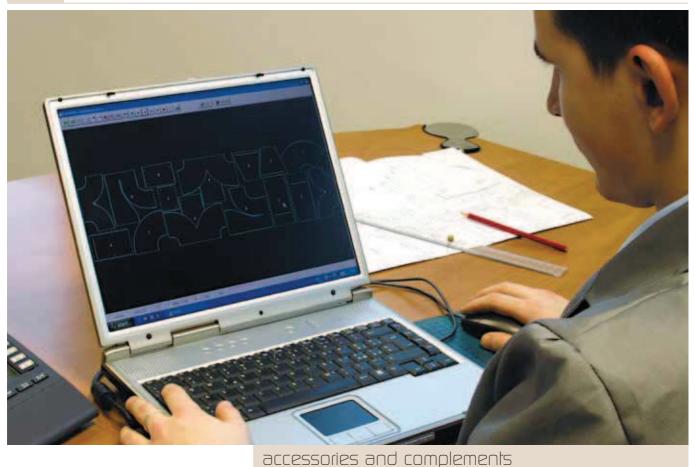


- Soft spatula (code 22SL01)
- Adjustable tape marker (code 22SG01)
- Cutter (code 22CT01)



• Silicone pneumatic rifle (code 22PS05)





code 22PT09 BravoP3 — software for the nesting and plotter management

The software allows the computerized management of the plotting thanks to the automatic and optimized realization of the basic pieces.

The BravoP3 software is able to produce a set of reports used for the optimization in the constructive phase as the list of profiles divided into measure and type, the area of cut pieces and of waste produced as well as a list of pieces and the cutting layout.

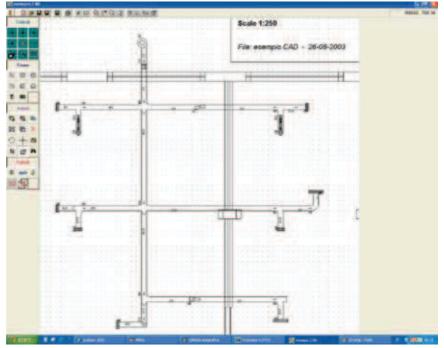
An extensive library of pieces, that can be personalized, assures the optimization of the pieces on the panel and offers a valid support for a precise economic quantification of the actions.





Code TSOO I OSIG — Duclware 4.0 pro software for the duct dimensioning

Software for the dimensioning and the project of air distribution network. This new software guarantees: planning with double line drawing, cad interface (import/export), scale rendering, calculation of the acoustic behaviour of the network, filling out of the material bill, and interface with the BravoP3 software.



culting - filting ducts





code 22PTOI Computerized cut system machine

The P3ductal automatic cut system allows the plotting of the cutting increasing its velocity and precision. The plotter, furthermore, allows the numbering and identification of the parts to bend thanks to a made on purpose marking unit with a pencil. For a correct aspiration of dust generated by the cutting, the plotter has to be connected with a made on purpose aspiration plant (code 22FC01). (*More details in technical sheet*).

Standard supply 22PTO I

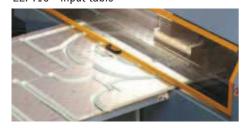
22PT02 - computerized cut machine

22PT04 - floppy disk drive

22PT08 - milling 45° and 90°

22PT09 - BravoP3 software

22PT16 - input table



[Focus on cutting output panel]

accessories and complements



code 22FCOI - Dust exhaust system Assures the complete aspiration of dust generated by the plotter cutting. Residuals are automatically stored in made on purpose sacks directly disposable. (More details in technical sheet).



code 22PT08 - Milling cutter machine 45° and 90° cutting



code 22PT I 5 - Spare drill



code 22PT16 - Input table for computerized cut system machine It makes the supply of the cutting machine with the P3ductal panels easier.

Q cutting - straight ducts



code 22LN30 Automatic straight cut machine

Automatic panel cutting machine permits 45° inclined cuts, 90° cuts or double 45° cuts on panels of both 20 and 30 mm thickness. A 4 m long duct can be created ready for gluing with just one single passage.

The machine is equipped with both a panel entry roller system and a panel outlet roller system.

The roller lifting and lowering system permits rapid shifting from 20 to 30 mm panel width. The locking of the planes for the cutting of both the 20 and 30 mm thick panels permits rapid positioning to the measurement required. (More details in technical sheet).





code 22LN3 I - Universal jack plane for automatic straight cut machine Permits 45°, 90° or double 45° inclined cuts

code 22PLO5 - 30 mm Jack plane spare blades



[Focus on cut panel exiting the automatic straight cut machine]

fittings ducts bending





code 22CL05 Electric plate bending roll 1200 width

Automatic bending roll in painted aluminium complete with sturdy base. Equipped with reference square for quick and perfectly uniform and circular bending. Toothed roller permits perfectly equidistant reinforcement ribbing.

Equipped with two motors: one for the lifting of the toothed roller and one for feed. The electric plate bending roll has been designed for the shaping and bending of 20 mm or 30 mm P3ductal sandwich panels faces with aluminium sheet on both sides at either different radii or with perfect circumference.

(More details in technical sheet).



code 22CL06 Electric plate bending roll 2000 width



[Focus on bending with electric plate bending roll]





code 22ISOI Hydroglue spray system

The Hydroglue spray system is composed of two tanks, one with a wide mouth for the Hydroglue and one with a narrow mouth for the "Hydrocat" catalyst, and a spray-gun. The spray-gun is built in appropriate materials for contact with both Hydroglue and Hydrocat catalyst in corrosion-proof aluminium provided with hard anodised oxidation treatment and stainless steel respectively. The spraygun is equipped with special regulators for easy adhesive and catalyst flow variation. The spray-gun also features a particular nozzle that permits the adjustment of spray pattern. The external mixing of Hydroglue and Hydrocat catalyst occurs during the atomisation phase. (More details in technical sheet).



hydracolls



code 2 I CL 10 - P3ductal hydroglue New bi-component water-based adhesive developed specifically for the gluing of Piral HD Hydrotec panels. The advantages of using Hydroglue are total absence of solvents, elevated thermal resistance, non-flammability and easy and fast application (application with spray system and not with brush). 10 kg pack.

code 2 I CL I I - Hydrocat, hydroglue catalyst

Catalyst for using with Hydroglue. 10 kg pack.

closing - pressing C





accessories and complements

code 22MCOI Ducts closing machine The duct closing machine allows a preci-

se and constant pressing on the edges of straight ducts throughout their length. This allows the rapid obtaining of a perfect adhesion between glued parts compared to the normal operations performed by means of the use of the rigid spatula.

(More details in technical sheet).



[Focus on closing automation and remote control]

Closing - taping



code 22500 l Adjustable tape marker



code 22SLO I Soft spatula













code 21NSO2 - P3Ductal 75 mm aluminium tape

Self-adhesive aluminium tape to use in the construction of the ducts.

Supply: 50 meters roll and 16 rolls pack.

code 21NSO1 - 75 mm Aluminium tape

Self-adhesive aluminium tape to use in the construction of the ducts.

Supply: 50 meters roll and 4 rolls pack

code 21NSO5 - 75 mm P3ductal embossed aluminium tape

Self-adhesive aluminium tape to use in the construction of ducts. Supply: 50 meters rolls and 4 rolls pack.

code 22CTO I - Culter

With retractable blade and lock device, this cutter is useful for cutting the aluminium tape.



closing - siliconing (





accessories and complements

code 22PS05 Pneumalic silicone rifle

Gun for the easy application of the silicone sealant on ducts of considerable length.

It is provided with a special fitting that allows the inclination of the nozzle, directing the silicone on the edges of the duct and it presents, furthermore, a made on purpose guide that makes it easier the use within the duct itself. A tongue in harmonic steel, adjustable in the length allows the application of the sealant in a uniform way. (More details in technical sheet).



code 21SL01 - Sealant aluminium colour

Single-component silicone sealant with acetic reaction applied in a semi-dense paste that in just a few hours transforms into a rubbery substance resistant to atmospheric agents and high and low temperatures alike. 280 cc stick. Product subject to expiration.

code 21SLO2 - Special sealant, sanitary use, white colour

Single-component rapid-polymerisation silicone sealant with an efficient fungicide that prevents mildew formation. This product is indicated in the construction of ducts that convey particularly humid air. Product subject to expiration.



accessories application



code 22TNOI - Section bar culting machine Machine for the cutting of aluminium or plastic section bars.

code 22MLO I - Anli rebound hammer



code 22PNOI - Invisible flange joint straight plier code 22PN02 - 90° Invisible flange joint straight plier







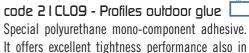






code 2 I CLO8 - Profiles glue Medium-viscosity adhesive for the gluing of aluminium and Polymer section bars.

500 gr pack. Product subject to expiration.



situation of high humidity and direct exposure to water. Bottles of 500 gr. Product subject to expiration.

code 21CL06 - Ultra rapid glue 50 gr code 2 I CLO7 - Ultra rapid glue 500 gr Medium-viscosity "super-glue" to glue aluminium section bars to the panels in just a few seconds. Product subject to expiration.

code 22CTO2 - Hack-saw

code 22CTO3 - Adjustable round culter for collars

code 22CTO4 - Spare part blade th. 20mm code 22CTO5 - Spare part blade th. 30mm



job site equipment

CONSTRUCTION **PHASES** with job site equipment



plotting

In this phase, the perimeter of the single piece that will compose the finished duct (linear or fitting) after cutting and assembling is plotted on the panel.



2 culting

Using the appropriate tools (manual or automatic) in this phase, the single pieces to be used in the fabrication of the duct are cut from the panel.



3 bending

In this phase (required only for the production of duct fittings), indentations are applied to the piece of panel allowing the panel to be adapted to the shapes of the finished duct.



4 gluina

During gluing, all pieces produced above are assembled with the use of special glues and the finished duct takes shape.



5 closing

In this phase, the duct is trimmed and finished through pressing and taping.



6 accessories application

Using specific tools and glues, the section bars required are applied to the finished duct. When the duct is installed, these section bars permit easy connection of the single pieces for the completion of the air distribution system.



- Folding work table w/matting (code 22TV01)
- Marking pencil (code 22MT01)
- Folding ruler and tape-measure (code 22MR01-02)
- 700/1200 mm square (code 22SQ07-12)
- Template (code 22DM01)
- Telescopic compass (code 22CM04)





- Ruler 1200/4000 mm (code 22ST12-40)
- 45° left/right jack plane (code 22PL01-02)
- 90° jack plane (code 22PL03)
- Tool slide (code 22PD01)
- Double 45° blade- holder cartridge (code 22PD46)
- "T" hexagonal wrench (code 22BR04)





• Bending machine (code 22PG01)



4 gluing



- Pneumatic glue spreader (code 22SP01)
- File w/abrasive surface (code 22LB01)
- Panel brush (code 22SZ01)





5 closing



• Stiff spatula (code 22SL02)



- Soft spatula (code 22SL01)
- Adjustable tape marker (code 22SG01)
- Cutter (code 22CT01)
- Silicone pneumatic rifle (code 22PS05)



• Special Anti-Rebound Hammer

Plier For Invisible Flange Joint (code 22PN01-02)

(code 22ML01)

tool box



[cod. 22VL08 - light tool box]



[cod. 22VL06 - full tool box]

Having all your tools in easy reach is essential if you want to work quickly with precision. Designed not only as containers our new tool-boxes provide you with a perfectly organised authentic portable work bench. The new interior created through special thermoforming provides handy storage of all your "constructive" tools like jack planes and the tool slide cartridge-holder on one side and "complementary" tools like folding rulers on the other. The tool-box comes in three different versions:

- 22VL06 P3ductal full tool-box model 2002 containing both "constructive" and "complementary" tools"
- 22VL08 P3ductal light tool-box model 2002 containing only "constructive" tools.
- 22VL07 P3ductal empty tool-box model 2002





[cod. 22CM04]



[cod. 22SZ01]



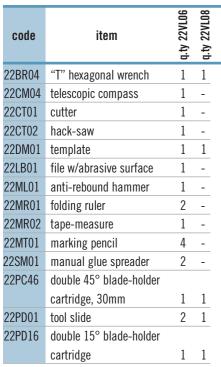
[cod. 22ML01]



[cod. 22PL01-02-03]



[cod. 22SL02]





[cod. 22DM01]



[cod. 22MR01]



[cod. 22PD01]



[cod. 22SG01]



[cod. 22SM01]

[000. 22001]				
q.ty 22VL08	code	item	q.ty 22VL06	q.ty 22VL08
1	22PD23	double 22,5° blade-holder		
-		cartridge	1	1
-	22PD46	d.ble 22,5° blade-holder cart	. 1	1
-	22PL01	45° left jack plane	1	1
1	22PL02	45° right jack plane	1	1
-	22PL03	90° straight jack plane	1	1
_	22PL04	20 mm jack plane blades	5	5
-	22PL05	30 mm jack plane blades	5	5
-	22PN01	straight plier for invisible		
_		flange joint	1	-
_	22PN02	90° plier for invisible		
		flange joint	1	-
1	22SG01	adjustable tape marker	2	-
1	22SL01	soft spatula	5	-
	22SL02	stiff spatula	2	-
1	22SZ01	panel brush	1	-



[cod. 22LB01]



[cod. 22MR02]



[cod. 22PD16-23-46]



[cod. 22SL01]



[cod. 22CT02]



plotting



code 22TVO I - Folding work table w/matting

Table built in painted steel with varnished plywood. 4 meters long (composed of 2 meter folding semi-tables). Supplied with matting. The support brackets permit the handy storage of both the 4 and the 1.2 meter rulers.



code 225Q07-700 mm Aluminium square code 225Q12-1200 mm Aluminium square



accessories and complements



code 22TVO2 - Spare malting
This is the green "miniature-golf"-type polypropylene matting for the (22TV01) work table.



code 22CMO4 - Telescopic compass
Aluminium compass made of three sliding
elements which permit to plot radii from 12 to
130 cm. The cursor has a marking tip which
prevents damage to the panel coating.



code 22DMOI - P3Ductal template Aluminium template which permit to plot fitting ducts radii.



code 22MRO1 - Folding rule code 22MRO2 - Tape measure

code 22MTOI - Marking pencil

code 22GNO I - Stainless steel goniometer

cutting - straight ducts **Q**





code 22PDOI - Tool slide

The tool slide allows the slot of relevant blade folder cartridges for the "V" cut at 45° of the foam



code 225T40 - 4000 mm Aluminium ruler code 225T12 - 1200 mm Aluminium ruler

Aluminium ruler with locking system for an easy and fast locking of the panel (20 and 30 mm) to the work table (22TV01). The ruler serves as a guide for the jack planes and permits to make precise and straight cuts.



accessories and complements







code 22PD46 - Double 45° Blade holder cartridge

code 22PC46 - Double 45° blade holder cartridge (th. 30 mm)

It permits double 45° inclined V cuts to manufacture rectangular section ducts.

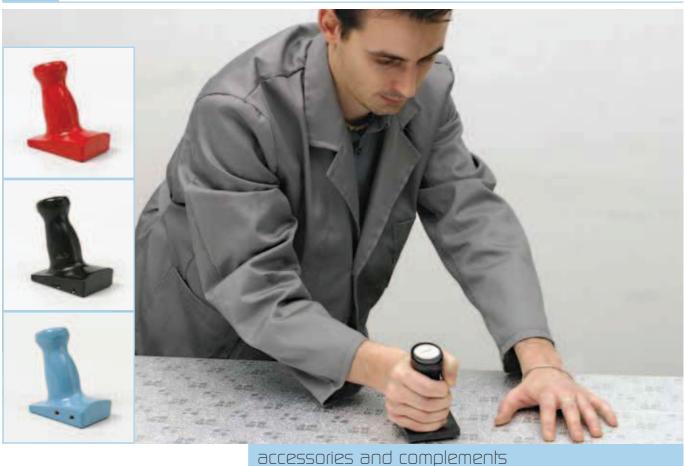
code 22PLO4 - Jack plane spare blades (th. 20 mm)

code 22PLO5 - Jack plane spare blades (th. 30 mm)

code 22BRO4 - "T" Hexagonal wrench

To permit an easy replacement, positioning and adjustment of the blades.

fittings ducts cutting



code 22PLO I - 45° Left jack plane

Cast aluminium jack planes have a special ergonomic shape that permits 45° left cuts to be made with speed and precision. Jack planes have an internal lodge in which you can find 5 blades together with one hexagonal wrench. Different blade lengths permit the cutting of both 20 and 30 mm panels.

code 22PL02 - 45° Right jack plane

Cast aluminium jack planes have a special ergonomic shape that permits 45° right cuts to be made with speed and precision. Jack planes have an internal lodge in which you can find 5 blades together with one hexagonal wrench. Different blade lengths permit the cutting of both 20 and 30 mm panels.

code 22PL03 - 90° Jack plane

Cast aluminium jack planes have a special ergonomic shape that permits 90° cuts to be made with speed and precision. Jack planes have an internal lodge in which you can find 5 blades together with one hexagonal wrench. Different blade lengths permit the cutting of both 20 and 30 mm panels.



code 22PLO4 - Jack plane spare blades (th. 20 mm)
code 22PLO5 - ack plane spare blades (th. 30 mm)



code 22BRO4 - "T" Hexagonal wrench no. 3

To permit an easy replacement, positioning and adjustment of the blades.



filtings ducts bending





code 22PGO I Bending machine

This painted steel bending machine is suitable for easy and precise panel bending. An eccentric cam lever system facilitates the bending of both 20 mm and 30 mm thick panels up to 1200 mm wide with any curvature angle.

Its compact dimensions and weight facilitate transport.



 45° and 30° cut with double 15-22,55° bladeholder cartridge











code 22PDOI - Tool slide

panels.

The correct blade used with jack plane permits V cuts in the panels.

code 22PD23 - Double 22,5° bladeholder cartridge (20 mm thick) It permits to obtain 45° external angles in the

code 22PD | 6 - Double | 15° blade-holder cartridge (20 mm thick)

It permits to obtain 30° external angles in the panels.

code 22PLO4 - Jack plane spare blades

code 22BRO4 - "T" Hexagonal wrench no. 3

To permit an easy replacement, positioning and adjustment of the blades.





code 22SPO I Pneumatic glue spreader

Paint glue spreader (21CL01/02). The large capacity tank easily stores a 15 kg tin of glue. The wide filling hole facilitates glue loading and is equipped with an anti-spray closing system. The glue spreader is supplied with a hand pump to pressurize the tank whenever a compressor is not available. The safety valve eliminates the risk of overpressure. Big size brush facilitates the glue distribution on the panels. For a correct cleaning of both brush and spreader you can use the made on purpose solvent for paint glue (code 21CL00).

code 2 I CLO I -02 Paint glue (4- I 5 kg)

Special glue formulated to obtain perfect adhesion on P3ductal panels foam. The product is supplied ready-to-use. Product subject to expiration.













code 22SPO2 - Spare gun for pneumatic glue spreader

code 22SPO3 - Spare flexible hose for pneumalic glue spreader

code 22SPO4 - Spare brush pipe support for pneumatic glue spreader

code 22SP05

Spare brush for pneumatic glue spreader

code 225MOI - Manual glue spreader With 250 gr. tank and interchangeable brush.

code 22SMO2 - Spare brush for manual glue spreader

code 21LBO1 - File w/abrasive surface code 22SZO1 - Panel brush

code 2 I CLOO - Solvent for paint glue Solvent specific mixture for the possibile diluition of paint glue to the proportion of 10/15% maximum. Suitable for accessories cleaning.

closing - pressing and taping (





code 225L02 Stiff spatula



code 22500 l Adjustable tape marker



code 22SLO I Soft spatula













code 21NSO2 - P3Ductal 75 mm

aluminium tape

Self-adhesive aluminium tape to use in the construction of the ducts.

Supply: 50 meters roll and 16 rolls pack.

code 21NSO1 - 75 mm Aluminium tape

Self-adhesive aluminium tape to use in the construction of the ducts.

Supply: 50 meters roll and 4 rolls pack

code 21NSO5 - 75 mm P3ductal embossed aluminium tape

Self-adhesive aluminium tape to use in the construction of ducts. Supply: 50 meters rolls and 4 rolls pack.

code 22CTOI - Culter

With retractable blade and lock device, this cutter is useful for cutting the aluminium tape.



a closing - siliconing



code 22PS05 Pneumalic silicone rifle

Gun for the easy application of the silicone sealant on ducts of considerable length.

It is provided with a special fitting that allows the inclination of the nozzle, directing the silicone on the edges of the duct and it presents, furthermore, a made on purpose guide that makes it easier the use within the duct itself. A tongue in harmonic steel, adjustable in the length allows the application of the sealant in a uniform way. (More details in technical sheet).



code 21SL01 - Sealant aluminium colour

Single-component silicone sealant with acetic reaction applied in a semi-dense paste that in just a few hours transforms into a rubbery substance resistant to atmospheric agents and high and low temperatures alike. 280 cc stick. Product subject to expiration.

code 21SLO2 - Special sealant, sanitary use, white colour

Single-component rapid-polymerisation silicone sealant with an efficient fungicide that prevents mildew formation. This product is indicated in the construction of ducts that convey particularly humid air. Product subject to expiration.



accessories application (





code 22TNO I - Section
bor culting machine
Machine for the cutting of aluminium o

Machine for the cutting of aluminium or plastic section bars.

code 22ML0 I - Anti



code 22PNO I - Invisible flange joint straight plier code 22PNO2 - 90° Invisible flange joint straight plier

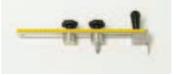












code 2 I CLO8 - Profiles glue

Medium-viscosity adhesive for the gluing of
aluminium and Polymer section bars.

500 gr pack. Product subject to expiration.

code 2 I CLO9 - Profiles outdoor glue Special polyurethane mono-component adhesive.

It offers excellent tightness performance also in situation of high humidity and direct exposure to water. Bottles of 500 gr. Product subject to expiration.

code 2 I CLO6 - Ultra rapid glue 50 gr code 2 I CLO7 - Ultra rapid glue 500 gr Medium-viscosity "super-glue" to glue aluminium section bars to the panels in just a few seconds. Product subject to expiration.

code 22CTO2 - Hack-saw

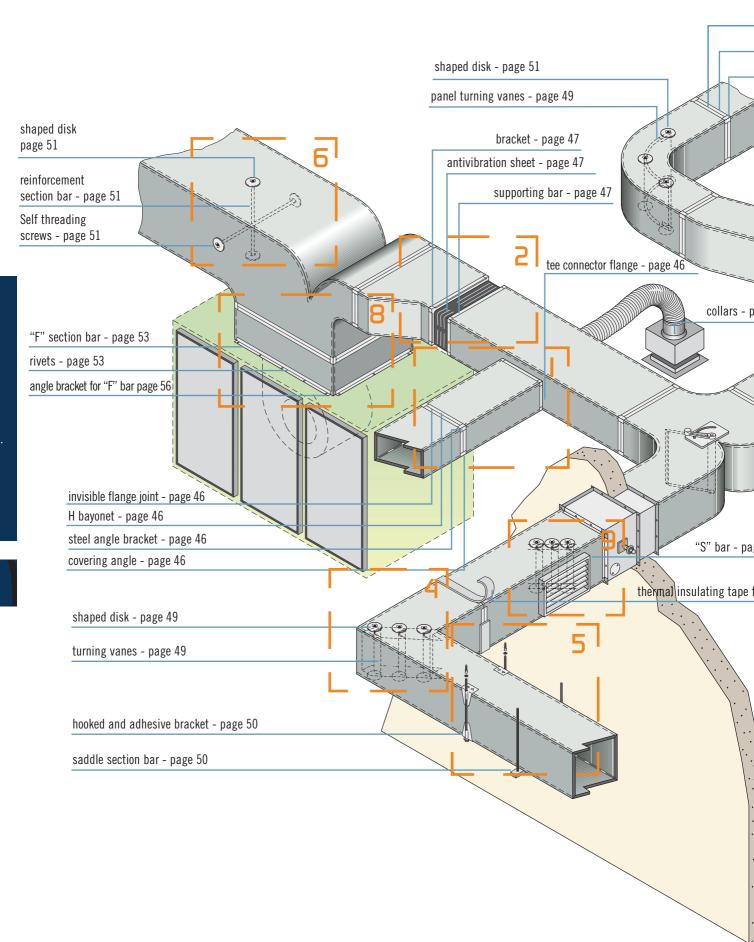
code 22CTO3 - Adjustable round cutter for collars

code 22CTO4 - Spare part blade th. 20mm code 22CTO5 - Spare part blade th. 30mm

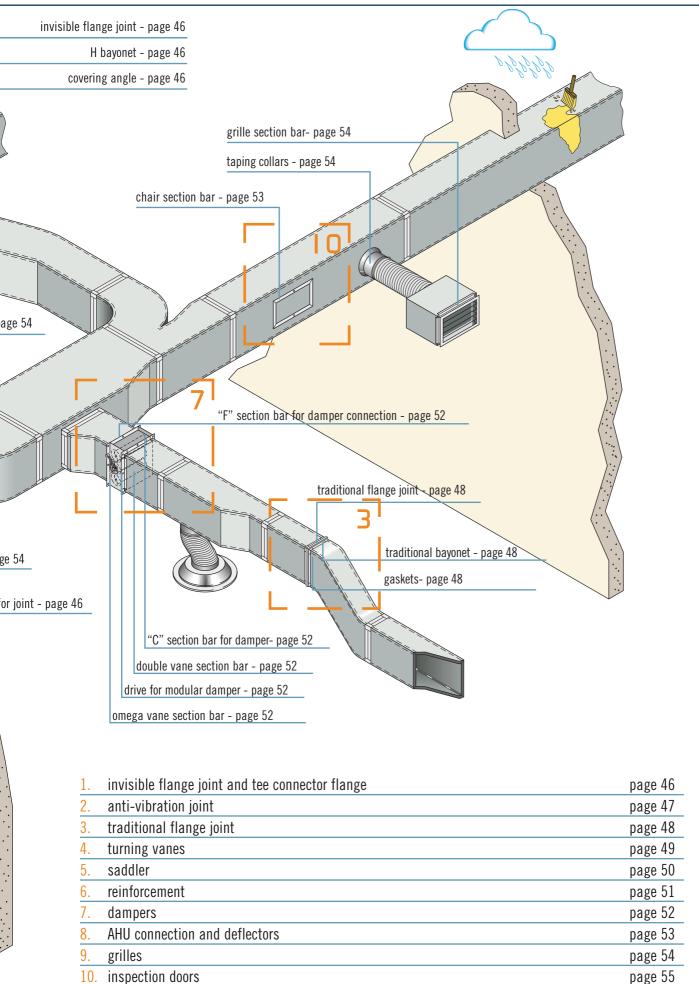




accessories application and duct

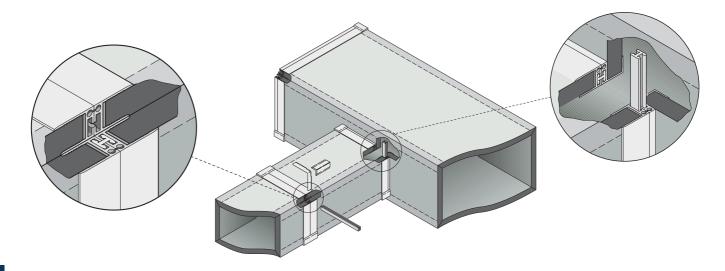


installation: a general view



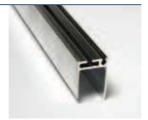


• I. invisible flange joint and tee connector



code 2 I FNO I - Invisible flange joint - aluminium 20 mm

This special patented alumiunium flange permits 20 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



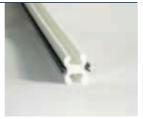
code 2 I FNO2 - Invisible flange joint - polymer 20 mm

This special patented polymer flange permits 20 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



code 2 I FNO4 - H polymer bayonet

Built in shock-resistant polymer, this piece permits "invisible flanges" to be connected. Supplied in 2 meter rods.



code 215Q01/02 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



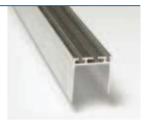
cod. 2 I FSO3 - Thermal Insulating Tape for Joints

Anti-condensation strip for joints in closed-cell cross-linked polyethylene foam coupled on one side with embossed aluminium, width: 100 mm, length: 30 m, 12 mm thick.



code 2 I FNO6 - Invisible flange joint - aluminium 30 mm

This special patented alumiunium flange permits 30 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



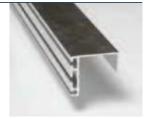
code 2 I FN09 - Invisible flange joint - polymer 30 mm

This special patented polymer flange permits 30 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



code 2 I FN03/07 - Tee connector flange joint 20/30 mm.

This patented flange permits the flanging of one duct into the side of another take-offs as tap-in or plenum chamber. The bars are supplied in 4 meter lenght.



code 2 I FN05/08 - Covering angle 20/30 mm.

Grey polymer covering angle.



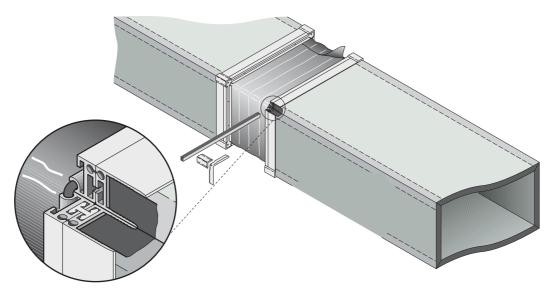
cod. 21GZO1 - Ouldoor gauze

Reinforcement gauze to be applied in correspondence of the joining flanges for outdoor installations, together with Gum Skin waterproofing treatment



2. anti-vibration joint 🗲





code 21GN05 - Anti vibration sheet 100 mm (25 m roll)

PVC-coated polyester sheet with rubberised edges for the creation of anti-vibration joints with a perfect seal in combination with the sheet support section bar.



code 2 I FNO4 - H polymer bayonet

Built in shock-resistant polymer, this piece permits "invisible flanges" to be connected. Supplied in 2 meter rods.



code 2 I FN05/08 - Covering angle 20/30 mm.

Grey polymer covering angle.



code 2 I GNO4 - Section bar supporting anti-vibration sheet

This patented section bar permits to build anti-vibration joints in combination with anti-vibration sheet (21GN05) and the zinc-coated steel angle brackets (21SQ01). Built in UNI 6060 aluminium alloy.

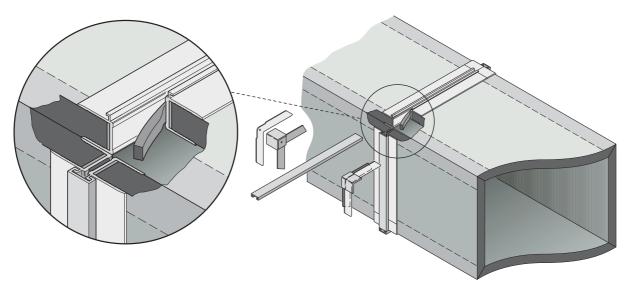


code 2 | SQO | /O2 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.

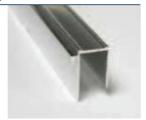


3. traditional flange



code 2 I FTO I / 06 - Traditional flange joint - aluminium 20/30 mm

Aluminium flange for the traditional joining of two ducts.



code 2 | SQ0 | /02 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



code 2 I GRO I - Self adhesive duct gaskets

Light grey, self-adhesive polyurethane foam gasket. Indicated for the reduction of air leakage. Width: 15 mm; thickness: 10 mm.



code 21 FT03 - Aluminium traditional bayonet 20/30 mm.

This bayonet is used to connect traditional flanges. To use with appropriate self-adhesive gasket (21GR01)



code 2 I FT05 - Reinforcement angles in polyamide-fibre glass

Indicated to reinforce the duct corner and improve external appearance.



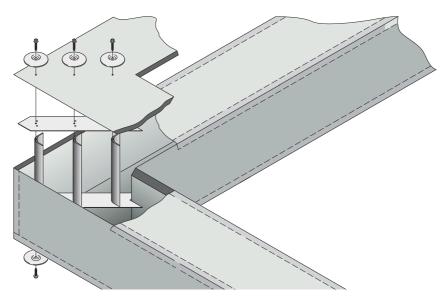
code 2 I FT07 – Angle bracket in pvc for 30 mm thick traditional flange

Indicated to reinforce the duct corner and improve external appearance.



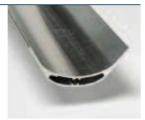
4. turning vanes 😌





code 2 I CPO3 - Turning vanes in aluminium

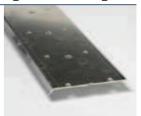
Turning vane in UNI 6060 aluminium to insert in special flat guide.



code 2 I CPO4 - Flat guide for turning vane fastening

Pre-drilled aluminium strip for the correct positioning of wing-section turning vanes.

Supplied in 2 meter rods.



code 2 I RFO I - Aluminium shaped disk

Aluminium disk to distribute the pressure created at the centre over a wider surface to prevent damage to the panel, disk diameter 100 mm, hole diameter 10 mm.



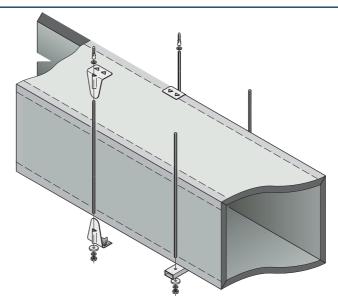
code 2 I RFO3 - Zinc plated self threading screws 6,3 \times 60 mm

Hexagon head self-threading screws with washer. Used to fasten reinforcement section bars, wingprofile turning vanes and splitters in elbows, etc.





5. saddler



code 2 I PRO5 - Saddle section bar - aluminium 20 mm

Rectangular aluminium tube built in natural aluminium and supplied in 4 meter rods.



code 215501 - Self-adhesive bracket

This 1.5 mm zinc-coated bracket is used for rapid duct support and hanging. These brackets are equipped with a slot for the insertion of the threaded bar.



code 2 I SSO5 - Hooked hanger bracket

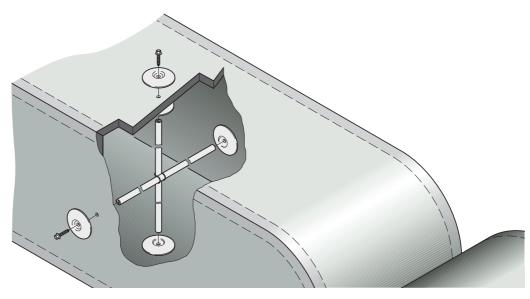
This 1.5 mm zinc-coated bracket is used for rapid duct support and hanging. These brackets are equipped with a slot for the insertion of the threaded bar.





6. reinforcement





code 2 I RFO2 - Reinforcement section bar in aluminium

Special high stiffness aluminium alloy reinforcement section bar. Bars are supplied in 4 meters rods.



code 2 l RF03 - Zinc plated self threading screws 6,3 x 60 mm

Hexagon head self-threading screws with washer. Used to fasten reinforcement section bars, wingprofile turning vanes and splitters in elbows, etc.



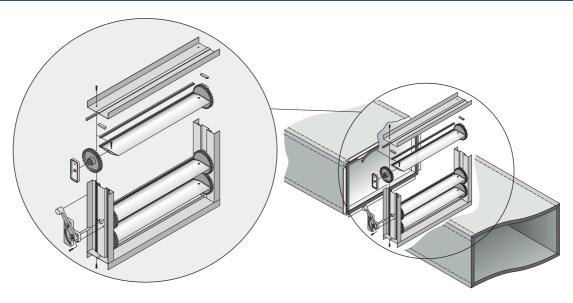
code 2 I RFO I - Aluminium shaped disk

Aluminium disk to distribute the pressure created at the centre over a wider surface to prevent damage to the panel. Disk diameter 100 mm, hole diameter 10 mm.



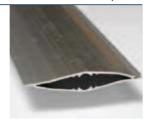


7. damper



code 2 I SRO I - Double vane section bar for modular damper

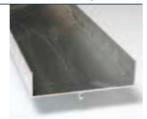
Built in UNI 6060 aluminium alloy. Supplied in 3 meter rods.



code 2 I SRO3 - ""C" section bar for modular damper

This section bar in natural UNI 6060 aluminium alloy is used to create the frame in volume dampers and supplied in 3 meter rods.

code 2 I SRO4 - Gear

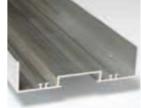


cod. 2 I SRO6 - Gasket



code 2 I SRO2 - Omega vane section bar for modular damper

This section bar in natural UNI 6060 aluminium alloy is used to create the frame that houses the gears in volume dampers and is supplied in 3 meter rods.



code 2 I SR07 - Drive for modular damper

This drive is used for manufacturing volume dampers.



code 2 I SRO5 - Gear shims

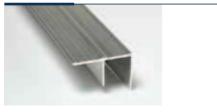


code 2 I SRO8 - Screws for damper



damper connection

code 21 PRO3/07 - "F" section bar in aluminium 20/30 mm



code 21PR01/14 - "U" section bar in aluminium 20/30 mm



code 2 I PR I 3 - "F" section bar in polymer 20 mm



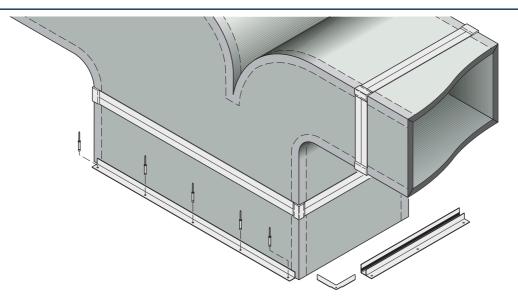


code 2 | SQ03/04 - Steel angle bracket - "F" bar 20/30 mm



8. AHU connection and deflectors 😜





code 2 I PRO3/07 - "F" section bar in aluminium - 20/30 mm

It permits all accessories with fastening frames higher than 20 mm to be fastened to the ducts. Supplied in 4 meter rods.



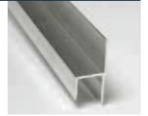
code 215Q03/04 - Steel angle bracket for "F" bar 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



code 2 I PRO2 - Chair section bar in aluminium - 20/30 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods.



code 2 I PR I 2 - Chair section bar in polymer - 20 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods.



2 I PR34/35 - Deflector profile 20/30 mm

This section bar in natural UNI 6060 is used to apply deflectors to P3ductal ducts. It is supplied in 4 meters rods.



code 2 I PR I 3 - "F" section bar in polymer - 20 mm

It permits all accessories with fastening frames higher than 20 mm to be fastened to the ducts. Supplied in 4 meter rods.



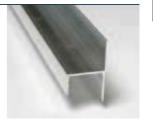
code 2 | SQO | /O2 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



code 2 I PR I 5 - Chair section bar in aluminium - 20/30 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods.

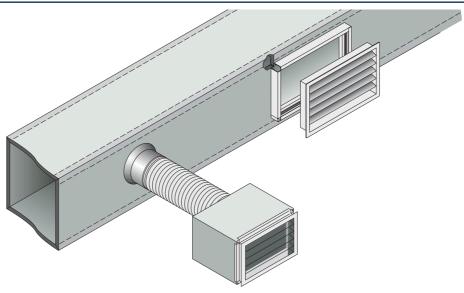


code 21RV01 - Special aluminium rivels 4,8 x 40 mm

The 40 mm length permits to create fastening to the panels through the section bars.

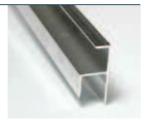






code 2 I PRO4 - Grille section bar in aluminium 20 mm

This section bar, finished with double frame, is built in natural UNI 6060 aluminium alloy and supplied in 4 meter rods.



code 215Q01/02 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



2 I PR29 - Plasterboard profile 20 mm

This section bar in natural UNI 6060 is used to apply dampers to P3ductal ducts, even in presence of a plasterboard wall. It is supplied in 4 meters rods.



code 2 I PRO6 - "S" section bar in aluminium 20 mm

Built in natural UNI 6060 aluminium alloy and supplied in 4 meter rods.



code 2 I CRxx - Aluminium tap-in collars

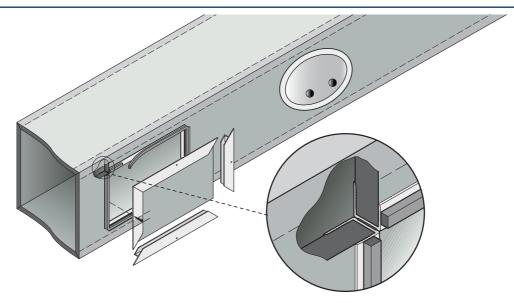
code 21CR10 Collars D 100 mm. code 21CR15 Collars D 150 mm. code 21CR20 Collars D 200 mm. code 21CR25 Collars D 250 mm. code 21CR30 Collars D 300 mm. code 21CR35 Collars D 350 mm.





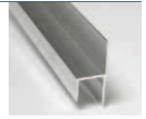
10. inspection doors





code 2 I PRO2 - Chair section bar in aluminium 20 mm

This section bar is also used to fasten ducts to air handling units. Together with the "U" section bar, this section bar is used to build access doors. This section bar is supplied in 4 meter rods.



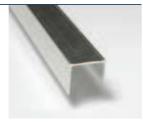
code 2 I PR I 2 - Chair section bar in polymer - 20 mm

This section bar is also used to fasten ducts to air handling units. Together with the "U" section bar, this section bar is used to build access doors. This section bar is supplied in 4 meter rods.



cod. 2 I PR I 4 - "U" section bar in aluminium 30 mm

Extremely versatile aluminium section for fastening of anti-vibration joints, volume dampers, and connection to sheet metal ducts. This section bar is supplied in 4 meter rods.



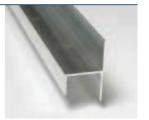
code 2 I PIO I - Access door

Built in fire resistant plastic material Use for a easy access into the duct without changing duct performance.



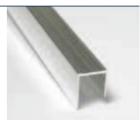
cod. 2 I PR I 5 - Chair section bar in aluminium 30 mm

This section bar is also used to fasten ducts to air handling units. Together with the "U" section bar, this section bar is used to build access doors. This section bar is supplied in 4 meter rods.



code 2 I PRO I - "U" section bar in aluminium 20 mm

Extremely versatile aluminium section for fastening of anti-vibration joints, volume dampers, and connection to sheet metal ducts. This section bar is supplied in 4 meter rods.



code 2 I PR I I - "U" section bar in polymer 20 mm

Extremely versatile aluminium section for fastening of anti-vibration joints and volume dampers. This section bar is supplied in 4 meter rods.







order guide - 20 mm panels

Which accessories and how many to order to make the ducts.

P3ductal constructions standards foresee that each accessory material necessary for making ducts must be used in a certain percentage with respect to the square meters of panels employed. The percentages given below refer to 100 m^2 of panels (20 mm thick).

Code	Description	U.M.	Necess. q.ty	Real q.ty *	page
21FN01	Invisible flange joint in aluminium 20 mm	m	66,5	80	46
21FN03	Tee connector flange joint in aluminium 20 mm	m	2	40	46
21FN04	H bayonet in polymer	m	33	50	46-47
21FN05	Covering angle in polymer 20 mm	n°	69	250	46-47
21SQ01	Zinc-coated steel angle bracket 20 mm	n°	138	500	46-47-48
21CL10	P3ductal Hydroglue (product subject to expiration)**	kg	4,0	10	24
21CL11	Hydrocat, hydroglue catalyst (product subject to expiration)**	kg	0,8	10	24
21CL01	"Paint" glue 4 kg (product subject to expiration)**	kg	8,3	12	38
21CL06	Ultra-rapid glue 50 g (product subject to expiration)	n°	0,5	1	28-41
21CL08	"Profiles" glue 500 g (product subject to expiration)	n°	0,5	1	28-41
21NS02	75mm P3ductal aluminium tape (50 m roll)	n°	4,7	16	26-39
215L01	Sealant aluminium colour (product subject to expiration)	n°	8,5	24	27-40
21PR01	"U" section bar in aluminium 20 mm	m	13,5	40	55
21PR02	"Chair" section bar in aluminium 20 mm	m	3,2	40	53
21PR03	"F" section bar in aluminium 20 mm	m	6	40	53
21PR04	Grille section bar 20 mm	m	4	40	54
21RF01	Aluminium shaped disk	n°	36	100	49-51
21RF02	Reinforcement section bar in aluminium	m	12	44	51
21RF03	Zinc-plated self-threading screws 6,3 x 60 mm	n°	18	200	49-51
215505	Hooked hanger bracket	n°	15	100	50

^{*} round off quantities to the nearest whole pack and check the contents with the price list in force.

Basic equipment.

Code	Description	Q.ty	page
22VL06	P3ductal tool box Full Model	1	32
1 OVTSS	Folding Work Table W/Special Matting	1	34
22ST12	1200 mm Length Aluminium Ruler	1	35
22ST40	4000 mm Length Aluminium Ruler	1	35
22SQ07	700 mm Square In Aluminium	1	34
225012	1200 mm Square In Aluminium	1	34
22PG01	Bending Machine	1	37
22SP0 I	Pneumatic Glue Spreader	1	38
22PS05	Pneumatic silicone rifle	1	40

^{**} order PAINT glue if using pnuematic glue spreader, order Hydroglue if using Hydroglue spray system

order guide - 30 mm panels

Which accessories and how many to order to make the ducts.

P3ductal constructions standards foresee that each accessory material necessary for making ducts must be used in a certain percentage with respect to the square meters of panels employed. The percentages given below refer to 100 m^2 of panels (30 mm thick).

Code	Description	U.M.	Necess. q.ty	Real q.ty *	page
216501	Gum Skin waterproof coating (product subject to expiration)	lt	65	75	14
21FN06	Invisible flange joint in aluminium 30 mm	m	66,5	80	46
21FN07	Tee connector flange joint in aluminium 30 mm	m	2	40	46
21FN04	H bayonet in polymer	m	33	50	46-47
21FN08	Covering angle in polymer 30 mm	n°	69	250	46-47
21SQ02	Zinc-coated steel angle bracket 30 mm	n°	138	250	46-47-48
21CL10	P3ductal Hydroglue (product subject to expiration)**	kg	4,0	10	24
21CL11	Hydrocat, hydroglue catalyst (product subject to expiration)**	kg	0,8	10	24
21CL01	"Paint" glue 4 kg (product subject to expiration)**	kg	8,3	12	38
21CL06	Ultra-rapid glue 50 g (product subject to expiration)	n°	0,5	1	28-41
21CL09	"Profiles" Outdoor glue (product subject to expiration)	n°	1	1	28-41
21NSO2	75mm P3ductal aluminium tape (50 m roll)	n°	4,7	16	28-41
215L01	Sealant aluminium colour (product subject to expiration)	n°	8,5	24	27-40
21PR07	"F" section bar in aluminium 30 mm	m	6	40	53
21RF01	Aluminium shaped disk	n°	36	100	49-51
21RF02	Reinforcement section bar in aluminium	m	12	44	51
21RF03	Zinc-plated self-threading screws 6,3 x 60 mm	n°	18	200	49-51
215505	Hooked hanger bracket	n°	15	100	50
21PR14	"U" section bar in aluminium 30 mm	n°	13,5	40	55
21PR15	Chair section bar in aluminium 30 mm	n°	3,2	40	53

round off quantities to the nearest whole pack and check the contents with the price list in force.
 order PAINT glue if using pnuematic glue spreader, order Hydroglue if using Hydroglue spray system

Professional equipment.

Code	Description	Q.ty	page
22VL06	P3ductal tool box Full Model	1	32
22TV01	Folding Work Table W/Special Matting	1	34
22ST12	1200 mm Length Aluminium Ruler	1	35
22ST40	4000 mm Length Aluminium Ruler	1	35
22SQ07	700 mm Square In Aluminium	1	34
225012	1200 mm Square In Aluminium	1	34
22CL05	Electric Plate Bending Roll	1	23
25TN30	Automatic Straight Cut Machine	1	22
22PT0 I	Computerized Cut System Machine	1	21
22IS0 I	Hydroglue spray system	1	24
22MC01	Ducts closing machine	1	25
22PS05	Pneumatic silicone rifle	1	27

40 feet (high cube) container capacity

Example with standard accessories

Code	U.M.	Description	Q.ty
15HP21	m2	Piral HD Hydrotec panel	3.024
21FN01	m	Invisible Flange Joint In Aluminium 20 mm	2.040
21FN03	m	Tee Connector Flange Joint In Aluminium 20 mm	80
21FN04	m	H Bayonet In Polymer	1.000
21FN05	n.	Covering Angle in Polymer 20 mm	2.250
215001	n.	Zinc-Coated Steel Angle Bracket 20 mm	4.500
21CL01	kg	"Paint" Glue 4 Kg (Product Subject To Expiration)	256
21CL06	n.	Ultra-Rapid Glue 50 g (Product Subject To Expiration)	15
21CL08	n.	"Profiles" Glue 500 g (Product Subject To Expiration)	16
21NS02	n.	75mm P3ductal Aluminium Tape (50 m Roll)	144
21SL01	n.	Sealant Aluminium Colour (Product subject to expiration)	264
21PR01	m	"U" Section Bar In Aluminium 20 mm	440
21PR02	m	"Chair" Section Bar In Aluminium 20 mm	120
21PR03	m	"F" Section Bar In Aluminium 20 mm	200
21PR04	m	Grille Section Bar 20 mm	160
21RF01	n.	Aluminium Shaped Disk	1.100
21RF02	m	Reinforcement Section Bar In Aluminium	396
21RF03	n.	Zinc-plated Self-Threading Screws 6,3 x 60 mm	600
215505	n.	Hooked Hanger Bracket	500

Example with reduced accessories

Code	U.M.	Description	Q.ty
15HP21	m2	Piral HD Hydrotec panel	3.072
21FN02	m	Invisible Flange Joint In Polymer 20 mm	2.080
21FN04	m	H Bayonet In Polymer	1.000
21FN05	n.	Covering Angle in Polymer 20 mm	2.000
2 I SQO I	n.	Zinc-coated steel angle bracket 20 mm	4.000
2 CLO	kg	"Paint" Glue 4 Kg (Product Subject To Expiration)	256
21NS02	n.	75mm P3ductal Aluminium Tape (50 m Roll)	144
215L01	n.	Sealant Aluminium Colour (Product subject to expiration)	264

20 feet container capacity

Example with standard accessories

Code	U.M.	Description	Q.ty
15HP21	m2	Piral HD Hydrotec panel	1.200
21FN01	m	Invisible Flange Joint In Aluminium 20 mm	800
21FN03	m	Tee Connector Flange Joint In Aluminium 20 mm	40
21FN04	m	H Bayonet In Polymer	400
21FN05	n.	Covering Angle in Polymer 20 mm	750
215Q01	n.	Zinc-Coated Steel Angle Bracket 20 mm	1.500
21CL01	kg	"Paint" Glue 4 Kg (Product Subject To Expiration)	100
21NS02	n.	75mm P3ductal Aluminium Tape (50 m Roll)	64
21SL01	n.	Sealant Aluminium Colour (Product subject to expiration)	96
21PR01	m	"U" Section Bar In Aluminium 20 mm	160
21PR02	m	"Chair" Section Bar In Aluminium 20 mm	40
21PR03	m	"F" Section Bar In Aluminium 20 mm	80
21PR04	m	Grille Section Bar 20 mm	40
21RF01	n.	Aluminium Shaped Disk	400
21RF02	m	Reinforcement Section Bar In Aluminium	132
21RF03	n.	Zinc-plated Self-Threading Screws 6,3 x 60 mm	200
215501	n.	Self-Adhesive Hanger Bracket	200
21CL08	n.	"Profiles" Glue 500 g (Product Subject To Expiration)	6
21CL07	n.	Ultra-Rapid Glue 500 g (Product Subject To Expiration)	1

Example with reduced accessories

Code	U.M.	Description	Q.ty
15HP21	m2	Piral HD Hydrotec panel	1.248
21FN02	m	Invisible Flange Joint In Polymer 20 mm	800
21FN04	m	H Bayonet In Polymer	400
21FN05	n.	Covering Angle in Polymer 20 mm	750
215001	n.	Zinc-Coated Steel Angle Bracket 20 mm	1.500
21CL01	kg	"Paint" Glue 4 Kg (Product Subject To Expiration)	100
21NS02	n.	75mm P3ductal Aluminium Tape (50 m Roll)	64
215L01	n.	Sealant Aluminium Colour (Product subject to expiration)	96

order form

Q.ty (pcs)		l 10	Q.ty (m)			Q.ty (pcs)			Q.ty (pcs)			Q.ty (pcs)			Q.ty (pcs)			Q.ty	(ø250)	(ø300)	(ø350)	Quantity		6 839		
Bracket Pack	Z1SS01 (adhesive) 100 pcs	21SS05 (hooked) 100 pcs	Saddle bar Pack	21PR05 40 m)	Disk Pack	(3 1) 21RF01 100 pcs		Reinforc. bar Pack	22 21RF02 44 m	3	Screws Pack	21RF03 200 pcs)	Access door Pack	21PI01 1 pcs		Collars Q.ty Collars	21CR10 (Ø100) 21CR25 (Ø250)	21CR15 (ø150) 21CR30 (ø300)	21CR20 (ø200) 21CR35 (ø350)	Other .	ts, 5	6 Se		i (4
Q.ty. (m)			Q.ty (pcs)			Q.ty (m)			Q.ty (m)			Q.ty (m)			Q.ty (m)			Q.ty (m)			Q.ty (m)			Q.ty (m)		
"F" bar Pack	Z1PR13 (20 mm) 40 m	(jod)	"F" bar Pack	21SQ03 (20 mm) 200 pcs	21SQ04 (30 mm) 200 pcs	Chair bar Pack	21PR02 (20 mm) 40 m	(al) 21PR15 (30 mm) 40 m	Chair bar Pack	21PR12 (20 mm) 40 m	(a)	Grille section Pack	21PR04 40 m	7 [lod	"S" bar Pack	21PR06 40 m	(a)	Sheet supp. bar Pack	21GN04 40 m		Anti vib. sheet Pack	216N05 1 rotolo/25 m)	Turning vanes Pack	21CP03 20 m	(al) 21CP04 (guide) 10 m
Q.ty (m)			Q.ty (m)	0 3		Q.ty (m)			Q.ty (pcs)			Q.ty (pcs)			Q.ty (m)			Q.ty (m)			Q.ty (m)			Q.ty (m)		
	Z1FN01 (20 mm) 40 m	al) 21FN06 (30 mm) 40 m	Inv. flange Pack	21FN02 (20 mm) 80 m	pol 21FN09 (30 mm) 40 m	Bayonet Pack	21FN04 50 m	B)	Covering angle Pack	21FN05 (20 mm) 250 pcs	21FN08 (30 mm) 250 pcs	Bracket Pack	21SQ01 (20 mm) 500 pcs	21SQ02 (30 mm) 250 pcs	Tee connector Pack	21FN03 (20 mm) 40 m	al) 21FN07 (30 mm) 40 m	"U" bar Pack	21PR01 (20 mm) 40 m	al) 21PR14 (30 mm) 40 m	"U" bar Pack	21PR11 (20 mm) 40 m	lod	"F" bar Pack	21PR03 (20 mm) 40 m	(a) 21PR07 (30 mm) 40 m
Q.ty (mq)						(I) (I)			Q.ty (kg)			0.ty (kg)			O.ty (pack)	6 8		Q.ty (pack)			Q.ty (rolls)			Q.ty (pack)		
	15HPZ1 48 mg	15HL21 48 mg	15HE21 48 mg	15HP31 33,6 mq	15HS31 33,6 mq	Gum skin Pack	216S01 1 pack/151		Paint glue Pack	21CL01 1 pack/4 kg	21CL02 1 pack/15 kg	Hydroglue Pack	21CL10 (adhesive) 1 pack/10 kg	21CL11 (catal.) 1 pack/10 kg	Rapid glue Pack	21CL06 50 greach	21CL07 500 gr each	Profiles gluePack	21CL08 1 pack/500 gr each	21CL09 (autdoor) 1 stick/500 cc each	Tapes Pack	21NS01 4 rolls/50 m each	21NS02 16 rolls/50 m each	Sealants Pack	21SL01 24 pack/280 cc each	21SL02 24 pack/280 cc each
									102	out		G	1		₽()			-4		14D))	16	Rin	scace)

To send by fax to + 39 049.90.70.302

Deliver by:	Day	Month	Year	Shipping will be arrang	Shipping will be arranged by: Please quote:	Invoice to:		Date
Deliver to:				☐ Client	F0B	Company		Your order No
Street				P3	C&F	Street		Bank
Post code	City			Other	Other	Post code	City	Terms of payment
Country	Tel.			(biease specify)	(please specify)	Country		Vat Tax N°
Fax						Tel.	Fax	Client Code



1. Irreversibility of the order

The order, issued by the Buyer, is irreversible and binding from the date in which it is signed by the Buyer. An order is considered confirmed by P3 only when the Buyer returns the Pro-forma Invoice or the Order Confirmation sent by P3 stamped and signed or proceeds with the payment according to the agreements taken (either by sending proof of the Advanced Payment or L/C opening) as per the subsequent Payment conditions see par. 5 Once the above is complied the order is to be considered accepted by P3 SrI, and has to be treated as a purchase and sale contract. Once the buyer has accepted the order confirmation and all the attachments, the buyer expressly renounces to any claim and dispute relative to technical specifications, should these correspond to the ones previously accepted.

Should the Buyer cancel, or be late or refuse to withdraw (even only partially) the order, P3 Srl will have the right to receive as expense and compensation an amount equal to 50% of the entire value of the non-delivered goods.

2. Delivery conditions

The delivery time limits are only indicative and are not binding in any way. Thus late deliveries with regard to the supply of the raw materials or the unforeseen suspension of the production cycle, strikes, both of the staff and the suppliers, events of force majeure or acts of god (such as storms, damaging acts, acts of vandalism, theft, burglary, extortion, natural disasters, acts of war and revolution etc.), do not give the Buyer the right to withdraw or rescind from the contract or claim compensation for damages or any kind by P3 Srl.

3. Complaints

All complaints relating to possible defects noted on the goods supplied by P3 Srl, will have to be communicated by the Buyer to P3 Srl exclusively eight days from the date in which the defects are noticed and in any case within 12 months from the receipt of the goods object of the complaint, or the guarantee mentioned in the following paragraph 8, will no longer be valid.

The complaint must be sent, via registered post A.R., or via fax or via e-mail, with a clear and detailed description of the defect(s) as well as an indication of the date and number of the invoice issued by P3 Srl in relation to the defective goods.

Any eventual reimbursement or restitution of the goods will be possible only after written consent on behalf of P3 srl.

P3 Srl will reply to the Buyer within seven days from the receipt of each complaint, in accordance with the guarantee conditions, detailed in paragraph 9 below.

P3 SrI reserves the right to make any changes or modifications to its products which it considers necessary, still maintaining the standard of quality, without having to communicate the aforesaid changes or modifications to the Buyer and the Buyer may not raise objections in regards to possible differences which may be found in advertising, commercial and technical documentation distributed by P3 SrI.

4. Price, Discounts, Price changes

P3 SrI sells its products to the public at the prices detailed in the price list in force at the moment in which the order issued by the Buyer is accepted, as detailed in paragraph 1.

In regards to the prices found in the price list, P3 Srl reserves the right to grant discounts, if agreed to in writing with the Buyer beforehand. The packaging and wrapping costs are normally included in the price list prices.

If special packaging is required, such as wooden, plastic or cardboard boxes crates or cages, the full cost will be charged to the Buyer, as pointed out by P3 SrI in the confirmation order and in the invoice.

Should the costs of the raw materials increase by more than 5%, respect to the ones decided with the supplier at the time the price list was prepared, these increases will be added to the sale price, if preceded by a written notice (even via fax or e-mail) at least 15 days before. With regard to the orders which have already been confirmed, and are to be carried out within at least 30 days from the acceptance of the order, the increases caused by the variation of the costs will not be applied.

Should the delivery of the materials not be performed within the above time due to causes such as:

- Non compliance with payment terms of previous deliveries of materials performed by P3,
- Delay in the performance of payments, in the case that the payment is agreed as advanced, or in the opening of the L/C,

P3 has the right to update its prices according to the new Price List in force at the moment in which the order can finally be carried out or update the exchange rate applied on prices, whenever the selling price is agreed in currency different from Euro.

5. Payment

Payments must be made to P3 SrI within the time limits set and using the methods agreed to in the order confirmation.

The Buyer accepts all the risks relating to the transfer of sums of money or any other transfer methods which may be used.

The payment terms may not be postponed or delayed due to possible complaints made by the Buyer.

Where deferred payments are made using promissory notes or bank guarantees, in one or more instalments, these payments must be considered as being paid with recourse and for this reason they do not produce novations of the original credit, thus leaving intact the Buyer's duty to pay the price agreed, until all the amount due to P3 srl has been reimbursed with satisfaction.

The payment of a single order which has a total price inferior to 100.00, will have to be paid without any deferral and in cash. There is no payment deferment in the case of first orders.

6. Interests

Where the payment is late or not paid at all, P3 SrI will charge the Buyer, the interests, calculated from the expiry of the amount agreed, according to the nominal annual rate for deposits in Euro every six months, called EURIBOR, calculated by the European Central Bank (ECB), increased by 7 percentage points yearly.

7. Termination due to the Buyer

The failure to pay even only one instalment of the price agreed, relating to deferred payments made in instalments, (as indicated in P3 Srl's invoices) not lower than an eighth of the price (excluding interest and expenses) or the failure to pay two consecutive instalments of any amount, gives P3 Srl the right to request the immediate payment of all its credits and the loss, for the buyer, of the existing deferred payment terms.

P3 Srl reserves in addition the right to terminate the contract, to reclaim immediate possession of the goods supplied and to retain the amount of the instalments already paid as indemnity for the use or for the deterioration of the goods supplied to the Buyer, apart for the compensation of

additional damages, including the collection and custody expenses of the goods and any other possible expenses.

8. Guarantee

P3 Srl guarantees the utmost quality of the goods, tools, machines, equipment, accessories and parts produced or marketed, designed or created by the former in conformity with the EC Directive. The duration of the guarantee is 12 months from the date of the issue of each sales invoice, which is sent to the Buyer via ordinary post, via e-mail or via a Courier who has to deliver the goods to the Buyer. The characteristics of the construction of the tools, machines and equipment sold are described in the "User's Manual for Use and Maintenance", a copy of which is to be inserted in the packaging or attached to the Document of Transport (DOT) upon delivery.

The guarantee excludes defects deriving from incorrect storage, negligence, lack of skill, abnormal use or incorrect use by the Buyer or by the Final Users, and acts of god and force majeure. The guarantee will not be effective if the machines, the tools or the accessories are damaged or repaired or modified or disassembled without P3 Srl's or one of P3 Srl's employees control or without the authorization of the former. The guarantee does not include and does not extend, as indicated in the previous paragraph, to direct or indirect damage suffered by the Buyer, and does not give the right, in any case whatsoever, to withdraw from the contract or to obtain compensation for the damage caused due to the failure to use the products or the professional equipment during their repairing period or the substitution of the defective parts.

Nevertheless, it is to be understood that, in the case of dispute, the Buyer must continue to pay the instalments within the time limits and according to the methods agreed, otherwise the right to the guarantee will be removed.

9. The Quality of P3ductal Pre-insulated Aluminium Panels

The panels are produced with materials appropriately chosen and, hence, P3 Srl guarantees the highest quality. For each type of panel, a technical data-sheet containing the description of the relative characteristics is available. The tolerance of the materials are also specified in the technical datasheets. Where bubbles, hollows, marks and defects in general of varying form and size are noted under the aluminium foil, it is necessary to remember that the former can originate from the continual production process and may not be linked, in any way, with acts of negligence or lack of attention or skill. Given that this phenomenon can occur (based on the findings of the statistics) within the limit of 10% with respect to the total quantity, expressed in m2 of the panels produced and, therefore, within the normal tolerance limits for similar types of materials, the defects do not at all prejudice neither the physical and mechanical characteristics of the panels nor the use of the panels designed for duct construction. P3 Srl is bound to supply the parts, ascertained as being defective, for free, as long as the Buyer indicates the defects using the method(s) detailed in paragraph 3 above.

The assembly and disassembly, delivery and transport costs for the parts to be replaced or repaired are to be fronted by the Buyer, as travel and accommodation expenses in the case of Technical Assistance by P3 Srl.

10. The Quality of P3isomac Panels

P3 SrI guarantees the highest quality of the manufactured P3isomac panels and the perfect compliance to the technical specifications



communicated and accepted by the buyer as indicated in paragraph 1.

Any possible variations in the colour tone which may appear in the different supplies of pre-painted sheet metal may not constitute a valid reason to contest the materials and are to be considered physiological.

As for the supply of P3isomac zinc coated sheets, P3 Srl does not guarantee the aesthetic uniformity of the different sheets, not considering as contestable defects by the buyer any kind of eventual imperfections which may be noticed exclusively on the surface of these sheets.

For all matters not expressly mentioned in the present paragraph, the previous paragraph 9 is valid.

11. The Duties of the Duct Constructor

The construction and installation of the ducts must be carried out using the tools and equipment supplied by P3 Srl and implementing the technology of the P3ductal system.

The Duct Constructor accepts all the duties towards the Clients (final users) in so far as the quality, compatibility and safety of the operations carried out by the former using the products purchased from P3 SrI is concerned. Therefore, P3 SrI has no duty towards the Client (final users).

12. Transport – Risk – Damages

The Buyer is bound to verify, upon receiving the goods, whether the goods correspond to the amount and quality of those described in the packing list attached to the export invoice, issued by P3 Srl at delivery to the Courier. Where the Buyer notices a discrepancy between the goods delivered and the details of both the invoice and the packing list, or damage of any sort, the Buyer must immediately communicate this in writing, within eight days from the receipt, after which any kind of complaint will be considered void and in any case not acceptable.

13. General Provisions

The Buyer declares that he is fully aware of and accepts, without any reservation, these "General Sales Conditions". Any deviation from the "General Sales Conditions", mutually agreed to by P3 Srl and the Buyer, must be agreed in writing and is to be strictly limited to what is specifically detailed and is not to imply novations even of the general conditions, which remain unchanged, unless there is express agreement to the contrary.

14. Disputes

All contracts with P3 SrI are regulated and subject to the Italian law.

The parties both agree to choose the Padova Tribunal as exclusive forum to which present any dispute arising from the present "General Sales Conditions", inclusive all all those inherent to the validity, the interpretation and execution of the norms.

Should any dispute arise due to the contents of the contracts drawn up with P3 Srl, as also any controversy inherent to the validity, the interpretation and execution of the present "General Sales Conditions", the parties agree to use exclusively the jurisdiction of the Tribunal of Padova (Italy).

Catalogue notes

Modifications

P3 reserves the right to modify the contents of this publication at its own discretion through the publication of subsequent editions or the insertion of supplements.

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