



## Supports for raised floors **PP LEVEL DUO**

### Description

PP Level DUO<sup>®</sup> is a line of supports for the installation on every kind of surface of self-supporting raised floors in tiles with 2, 3 or 4 mm joints. These supports can also be used with the double aluminium joist system for the installation of ceramic planks or with the specific head for decking.

With PP Level DUO<sup>®</sup>, there is the possibility to choose between fixed and self-levelling head in an instant, directly during the installation. A choice that can be made easily thanks to the special converter Perfect Ring. If you insert it between the head and the screw, the support becomes fixed. On the contrary, if there is the need to compensate the slope of a surface up to 6%, it will be sufficient not to insert the ring to obtain a self-levelling system.

PP Level DUO<sup>®</sup> allows the inspection of the waterproofing layer and/or of the systems without any demolition.

The surface can be perfectly flat thanks to the precise adjustment of the screw inserted in the base.

The screw adjustment can be made by hand or through the specific adjustment key art. CR/N, available among the accessories.

The self-levelling head allows the supports to adapt to a surface with a slope up to 6% in order to obtain a perfectly horizontal floor.

The head is provided with a noise-proof rubber pad which allows to reduce the footsteps noise by cushioning the contact between the tiles and the supports.

PP Level DUO<sup>®</sup> is the perfect solution for terraces, pool edges, walkways on coverings and roof gardens.

They are perfect for the installation with Protec CPLV, the profiles for the protection and the finishing of the external borders of raised floors.

Moreover, there are special clips in stainless steel for the creation of vertical risers in the external perimeters or for keeping always the same distance between the wall and the tiles.

### Materials

#### PP

Polypropylene, colour black, resistant to both acid and basic solutions and to atmospheric agents.

Classification of reaction to fire E.

Operating temperature -40 ° C + 75 ° C.

The mechanical characteristics remain unchanged over time.

#### TPE

Noise-proof pads in thermoplastic rubber, resistant to abrasion and impact.

#### Natural aluminium (joists)

Al-Mg-Si Alloy heat treated to T6 temper (6060 T6).

These profiles are made by extrusion.

They are well-resistant to chemical and atmospheric agents.

### **Stainless steel (clips)**

AISI 304 - DIN 1.4301

Featuring a substantial resistance to the principal chemical and atmospheric agents, lime and mortar, as well as adhesives for tiles and cleaning agents. Recommended for use even in the food industry, hospitals, pools, general exterior environments, etc.

### **Laying**

The product is laid dry, without adhesives or other fixings.

### **Care and maintenance**

The care and maintenance of the materials used for the realization of these profiles are closely linked to the type of alloy and/or used finishing. The instructions below describe the operations to which it must submit the profile in order to restore as much as possible its original appearance. The intent of this is to provide all those general guidelines that can serve as guidelines in the choice of when and how to clean, but they will have to be checked case by case.

It must be underlined that there are already precise specifications responsibility at every stage of product life since its installation.

#### **PP and TPE**

They do not require special maintenance.

#### **Aluminium**

These need no particular maintenance and are easily cared for with colorless alcohol diluted in water or with normal detergents, though not acid-based products (e.g. hydrochloric or hydrofluoric acid).

For cleaning tasks, a wide array of detergents coming in a variety of commercial brands and of numerous manufacturers are generally used.

In general, there are three product types:

- Alkaline type
- Neutral type
- Acid type

For cleaning, neutral detergent diluted in water and a rinsing agent of solely water is recommended, using a sponge and/or non-abrasive cloth to prevent scratches and/or damage to the anodization, shine or varnish.

During cleaning, the following should be kept in mind:

- Do not use acid or alkaline detergents, since they can damage aluminum;
- Do not use abrasive products and/or materials;
- Do not use organic solvents on varnished surfaces;
- Do not use detergents with unknown chemical compositions;
- Do not apply detergents directly to the surface to be cleaned;
- Surfaces must be relatively "cold" when cleaning (Max. Temp = 30°C) and not exposed directly to sunlight;
- Detergents used for cleaning must be in turn "cold" (Max. Temp = 30°C) and spray devices must not be used.

In any case, the last phase of cleaning is always an adequate rinsing with water on the part that has been treated, followed immediately by drying with a soft cloth or rag. Maintenance with polishing products or similar is unnecessary.

Effect a quick and accurate cleaning of the profile, according to the indications on the product's packaging, in order to prevent possible cement deposits, caulking material or similar products that may end up attacking the surface layers.

#### **Stainless Steel**

The stainless surfaces can be polished with the adequate products, commonly found in stores.

Stainless steel is easy to clean and extremely hygienic; its smooth and non-porous surface makes it especially difficult for the adhesion and survival of bacteria and/or other micro-organisms.

Some simple guidelines are all that is required to keep steel surfaces perfectly cared for: it suffices to wash with hot water and soap, rinsing abundantly and drying with a soft cloth.

If the surface is exposed to atmospheric or aggressive agents, periodic cleaning of the stainless profile is recommended in order to keep the

surface unaltered and prevent the onset of corrosion. On brushed finish surfaces, always clean in the direction of the grain and never across it. For scratches, use a detergent/polish suitable for stainless steel and a soft cloth.

Under no circumstances should the following be used for cleaning:

- detergents containing hydrochloric acid (muriatic acid), hydrofluoric acid or bleach; avoid direct contact on the surface of detergents containing chlorine, unless the contact time is brief and followed up by an immediate rinsing with abundant amount of water;
- detergents in abrasive powder form that could damage the surface finish of the profile.

Avoid allowing objects and tools in common steel (e.g. brushes or steel wool normally used to remove residual mortar or similar products) to come into contact with profiles in stainless steel for a prolonged period, otherwise they could transfer ferrous particles (contamination), causing the appearance of rust stains on the surface.

Prevent humid pieces of material or sponges to lay for a prolonged period of time in contact with the stainless steel surface in order to prevent unsightly water stains.

### Fire Control Measures

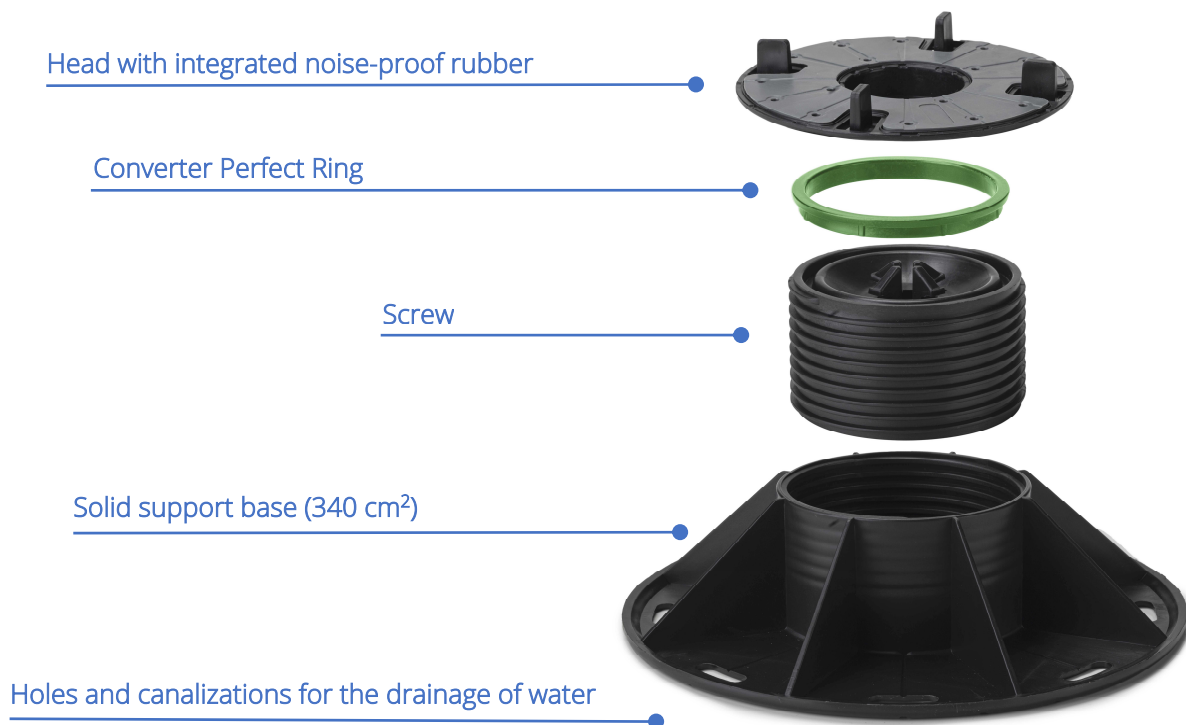
In case of fire, extinguish with fire-fighting chemical products, dry sand or solid fire-extinguishing agents.

### Note

All indications and instructions here have come from our own experience to be understood as purely informative and will have to be confirmed through exhaustive practical experience.

Profilpas will not be held responsible for any personal injury or material damage from improper use of the product.

The user is responsible for establishing whether the product is suitable for the task and likewise must assume all responsibility for incorrect laying of material.



PP Level DUO<sup>®</sup>



25/37/4



37/61/4



60/105/4



94/169/4



150/280/4



239/320/4



P1/10

**PP LEVEL DUO<sup>®</sup> - HEAD + SCREW + BASE**

head for 4-mm joints - tabs H 12 mm



ART.			pack	pallet
25/37/4	head + screw + base adjustable from h 25 to 37 mm	19360	25 pcs	1250 pcs
37/61/4	head + screw + base adjustable from h 37 to 61 mm	19361	25 pcs	900 pcs
60/105/4	head + screw + base adjustable from h 60 to 105 mm	19362	25 pcs	500 pcs
94/169/4	head + screw + base adjustable from h 94 to 169 mm	19363	25 pcs	400 pcs
150/280/4	head + screw + base adjustable from h 150 to 280 mm	19364	25 pcs	300 pcs
239/320/4	head + screw + extension element + base adjustable from h 239 to 320 mm	19365	25 pcs	300 pcs

no partial packaging

**EXTENSION FOR PP LEVEL DUO<sup>®</sup>**

ART.			pack	pallet
P1/80	extension element h 80 mm	19380	25 pcs	500 pcs
P1/10	extension element h 10 mm	19369	15 pcs	-

no partial packaging

art. 239/320/4 cod. 19365		1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs
art. P1/80 cod. 19380		1 pcs	2 pcs	3 pcs	4 pcs	5 pcs	6 pcs	7 pcs	8 pcs	9 pcs

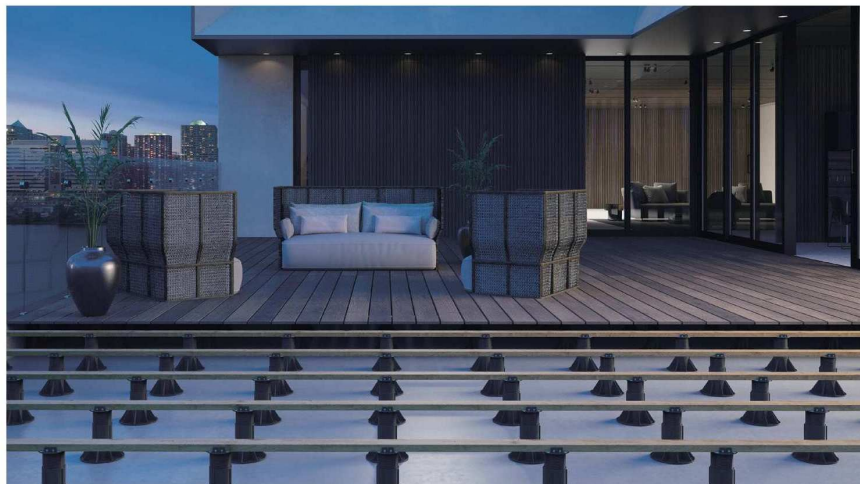


with Perfect Ring, the support is fixed



without Perfect Ring, the support is self-levelling

PP Level DUO<sup>®</sup>



PPL/TD

**PP LEVEL DUO<sup>®</sup> - HEAD FOR DECKING**

ART.		pack	pallet
<b>PPL/TD</b>	head for decking	19399	25 pcs 500 pcs

no partial packaging



PPL/5030/T +  
PPL/TD/TT

**PP LEVEL DUO<sup>®</sup> - JOIST FOR DECKING**

length 200 cm

ART.		pack	pallet
<b>PPL/5030/T</b>	joist for decking section 50x30x2 mm	19389	8 pcs 160 pcs

no partial packaging

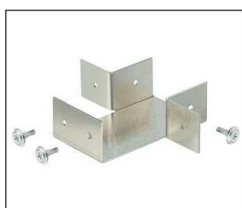


PPL/TD/GR

**PP LEVEL DUO<sup>®</sup> - ACCESSORIES FOR JOISTS FOR DECKING**

ART.		pack	pallet
<b>PPL/TD/GR</b>	connection for joists for decking	19387	12 pcs
<b>PPL/TD/TT</b>	T connection for joists for decking	19388	20 pcs

no partial packaging



PPL/TD/TT

PP Level DUO<sup>®</sup>



PPL/T2  
PPL/T3  
PPL/T4



25/37/B



37/61/B



60/105/B



94/169/B



150/280/B



239/320/B



P1/10

**PP LEVEL DUO<sup>®</sup> - HEAD FOR 2, 3 AND 4 MM JOINTS**

ART.			pack	pallet
<b>PPL/T2</b>	head for 2 mm joints	19370	25 pcs	500 pcs
<b>PPL/T3</b>	head for 3 mm joints	19374	25 pcs	500 pcs
<b>PPL/T4</b>	head for 4 mm joints	19371	25 pcs	500 pcs

no partial packaging

**PP LEVEL DUO<sup>®</sup> - BASE + SCREW**



ART.			pack	pallet
<b>25/37/B</b>	base + screw adjustable from h 25 to 37 mm	19390	25 pcs	1250 pcs
<b>37/61/B</b>	base + screw adjustable from h 37 to 61 mm	19391	25 pcs	900 pcs
<b>60/105/B</b>	base + screw adjustable from h 60 to 105 mm	19392	25 pcs	500 pcs
<b>94/169/B</b>	base + screw adjustable from h 94 to 169 mm	19393	25 pcs	400 pcs
<b>150/280/B</b>	base + screw adjustable from h 150 to 280 mm	19394	25 pcs	300 pcs
<b>239/320/B</b>	base + screw + extension element adjustable from h 239 to 320 mm	19395	25 pcs	300 pcs

no partial packaging

**EXTENSION FOR PP LEVEL DUO<sup>®</sup>**

ART.			pack	pallet
<b>P1/80</b>	extension element h 80 mm	19380	25 pcs	500 pcs
<b>P1/10</b>	extension element h 10 mm	19369	15 pcs	-

no partial packaging

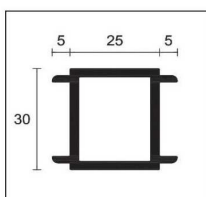
	H. 319/400	H. 399/480	H. 479/560	H. 559/640	H. 639/720	H. 719/800	H. 799/880	H. 879/960	H. 959/1040
art. 239/320/B cod. 19395 + testa a scelta	 1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs
art. P1/80 cod. 19380	 1 pcs	2 pcs	3 pcs	4 pcs	5 pcs	6 pcs	7 pcs	8 pcs	9 pcs



PP Level DUO<sup>®</sup>



PPL/TA



PPL/T



PPL/D4



PPL/GM



PPL/GR



PPL/TT



P1/10

**PP LEVEL DUO<sup>®</sup> - HEAD AND ACCESSORIES FOR THE DOUBLE JOIST SYSTEM**

ART.			pack	pallet
<b>PPL/TA</b>	head for aluminium joists	19396	25 pcs	500 pcs
<b>PPL/T</b>	aluminium joist L 2000 mm	19397	10 pcs	200 pcs
<b>PPL/D4</b>	4-mm spacer for aluminium joists	19398	500 pcs	-
<b>PPL/GM</b>	noise-proof rubber 20x2 mm - 20 meters roll	19372	5 pcs	-
<b>PPL/GR</b>	connection for joists	19373	250 pcs	-
<b>PPL/TT</b>	T connection for joists	19375	20 pcs	-

no partial packaging

The aluminium joists must be installed in pairs.

**PP LEVEL DUO<sup>®</sup> - BASE + SCREW**



ART.			pack	pallet
<b>25/37/B</b>	base + screw adjustable from h 25 to 37 mm	19390	25 pcs	1250 pcs
<b>37/61/B</b>	base + screw adjustable from h 37 to 61 mm	19391	25 pcs	900 pcs
<b>60/105/B</b>	base + screw adjustable from h 60 to 105 mm	19392	25 pcs	500 pcs
<b>94/169/B</b>	base + screw adjustable from h 94 to 169 mm	19393	25 pcs	400 pcs
<b>150/280/B</b>	base + screw adjustable from h 150 to 280 mm	19394	25 pcs	300 pcs
<b>239/320/B</b>	base + screw + extension element adjustable from h 239 to 320 mm	19395	25 pcs	300 pcs

no partial packaging

**EXTENSION FOR PP LEVEL DUO<sup>®</sup>**

ART.			pack	pallet
<b>P1/80</b>	extension element h 80 mm	19380	25 pcs	500 pcs
<b>P1/10</b>	extension element h 10 mm	19369	15 pcs	-

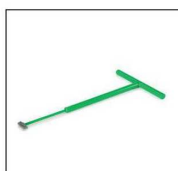
no partial packaging

	H. 319/400	H. 399/480	H. 479/560	H. 559/640	H. 639/720	H. 719/800	H. 799/880	H. 879/960	H. 959/1040
art. 239/320/B cod. 19395 + testa a scelta	 1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs	1 pcs
art. P1/80 cod. 19380	 1 pcs	2 pcs	3 pcs	4 pcs	5 pcs	6 pcs	7 pcs	8 pcs	9 pcs

PP Level DUO<sup>®</sup>



PCC/01 and PCC/02 stainless steel clips



CR/N



KIT PCC/01



KIT PCC/02



PCC/03



PCC/04



PCC/05



PPL/S



PPL/DLT



PPL/DLB



P1/10

**PP LEVEL DUO<sup>®</sup> AND PP LEVEL FIX ACCESSORIES**

ART.			pack
CR/N	adjustment key (for 4 mm joints)	19381	12 pcs
PCC/01	perimetral clip (base + head)	19382	30 Kit
PCC/02	corner clip (base + head)	19383	4 Kit
PCC/03	wall clip	19384	50 pcs
PCC/04	clips for joists (base + head)	19386	30 Kit
PCC/05	wall clip in black polypropylene	19377	200 pcs
PPL/S	rubber disk diameter 21 cm x thickness 0,2 cm	19385	100 pcs
PPL/DLT	levelling disk for head diameter cm 12 x thickness 0,2 cm	19378	100 pcs
PPL/DLB	levelling disk for base diameter cm 21 x thickness 0,2 cm	19379	100 pcs

no partial packaging (except for CR/N)

**EXTENSION FOR PP LEVEL DUO<sup>®</sup> AND PP LEVEL FIX**

ART.		pack	pallet
P1/10	extension element h 10 mm	19369	15 pcs -

no partial packaging

