



Supports for raised floors PP LEVEL DUO

Description

PP Level DUO® 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®, 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® 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® 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 (art. PCC/01, PCC/02, PCC/03) for the creation of vertical risers in the external perimeters or for keeping always the same distance between the wall and the tiles.

The unit consists of a fully integrated Pedestal with integrated acoustic mat rated at 8dB, as tested by RENZO TONIN in Australia.

Additionally these pass the critical fire rating tests as per AS9239 as tested by CETEC in Australia.

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

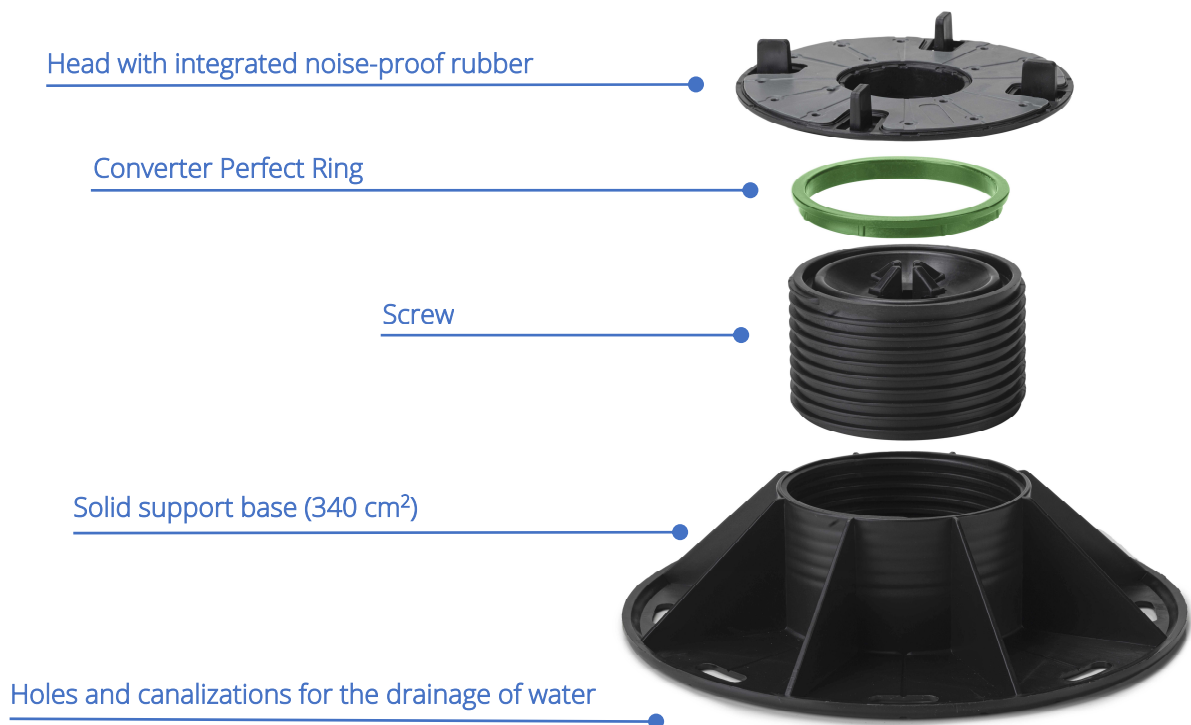
In case of fire, extinguish with fire-fighting chemical products, dry sand or solid fire-extinguishing agents.

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®



25/37/4



37/61/4



60/105/4



94/169/4



150/280/4



239/320/4

PP LEVEL DUO® - 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 ELEMENT FOR PP LEVEL DUO®

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

no partial packaging

| | H. 319/400 | H. 309/480 | H. 479/560 | H. 559/640 | H. 639/720 | H. 719/800 | H. 799/880 | H. 879/960 | H. 959/1040 |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| art. 239/320/4 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®



PPL/TD



PPL/T2
PPL/T3
PPL/T4



25/37/B



37/61/B



60/105/B



94/169/B



150/280/B



239/320/B

PP LEVEL DUO® - HEAD FOR DECKING

| ART. | | | pack | pallet |
|--------|-------------------|-------|--------|---------|
| PPL/TD | testa for decking | 19399 | 25 pcs | 500 pcs |

no partial packaging

PP LEVEL DUO® - HEAD FOR 2, 3 AND 4 MM JOINTS

| ART. | | | pack | pallet |
|--------|----------------------|-------|--------|---------|
| PPL/T2 | head for 2 mm joints | 19370 | 25 pcs | 500 pcs |
| PPL/T3 | head for 3 mm joints | 19374 | 25 pcs | 500 pcs |

| | | | | |
|--------|----------------------|-------|--------|---------|
| PPL/T4 | head for 4 mm joints | 19371 | 25 pcs | 500 pcs |
|--------|----------------------|-------|--------|---------|

no partial packaging

PP LEVEL DUO® - BASE + SCREW



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

no partial packaging

EXTENSION ELEMENT FOR PP LEVEL DUO®

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

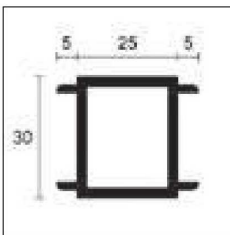
no partial packaging

| | H. 219/400 | H. 309/480 | 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 + teste a scelta |  | 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 |

PP Level DUO®



PPL/TA



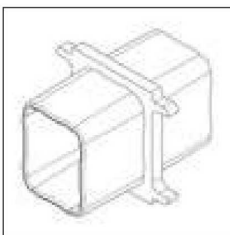
PPL/T



PPL/D4



PPL/GM



PPL/GR

PP LEVEL DUO® - HEAD AND ACCESSORIES FOR THE DOUBLE JOIST SYSTEM

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

no partial packaging

The aluminium joists must be installed in pairs.

PP LEVEL DUO® - BASE + SCREW

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

no partial packaging

EXTENSION ELEMENT FOR PP LEVEL DUO®

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

no partial packaging

| | H. 318/400 | H. 309/480 | H. 478/580 | H. 555/640 | H. 635/720 | H. 718/800 | H. 799/880 | H. 879/960 | H. 959/1040 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| art. 239/320/B cod. 19395 + base a scelta | | 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 |



CR/N



KIT PCC/01



KIT PCC/02



PCC/03

PP LEVEL DUO® ACCESSORIES

| ART. | | | pack |
|---------------|-------------------------------|-------|--------|
| 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 |
| CR/N | adjustment key | 19381 | 12 pcs |

no partial packaging (except for CR/N)

