profilitec
positive profile

Datasheet

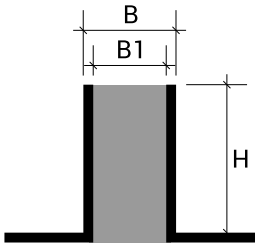
COFLEX CTL

PRODUCT DESCRIPTION

COFLEX CTL expansion joints are composed of a metal structure and a flexible yet durable central infill that can be ground and polished on-site. Due to their resistance to corrosion and wear, the profiles are ideal for stone tile installations in industrial and commercial settings. The metal angle profile protects vulnerable tile edges against mechanical stress that can cause chipping and cracking; the metal flanges absorb and redistribute loads, material compression and expansion. Ideally used in retail shops, hotels, sports facilities and schools.

TECHNICAL FEATURES

Length: 2,70 meters



Stainless Steel - Aluminum - Brass + suitable for grinding insert in EPDM

B = 10.4 mm
B1 = 8 mm

MATERIAL DESCRIPTION

Stainless Steel
Steel profiles are made by cold forming sheets of constant thickness, thus differing from the corresponding aluminum and brass versions made by hot extrusion, while maintaining their application and dimensional characteristics. Stainless steel effectively resists high mechanical stress and is particularly suitable for use in the chemical, food, and hospital sectors, where hygiene, durability, and chemical resistance are essential. Normally produced with a semi-gloss finish, a brushed finish can also be achieved by partially removing material using rotating nylon and quartz fiber brushes. This process gives the surface a matte appearance without altering its characteristics.

AISI 304 STAINLESS STEEL - EN X 5 CrNi 18 10 - DIN 1.4301:
This steel belongs to the AUSTENITIC category and is the most widespread and commonly used alloy for products requiring high technical and performance characteristics. It is highly resistant to most chemical agents but may stain or darken superficially; a standard polishing product is sufficient to restore its original appearance.

RESINPRENE Vulcanized rubber:
Resinprene vulcanized rubber is a modified EPDM-based compound whose particular characteristics we highlight:
Optimal mechanical properties in an operating temperature range from –40 °C to + 150 °C
Resistance to aqueous fluids, oils, and hydrocarbons. Low permanent deformation in compression and tension. Excellent resistance to aging. Exceptional resistance to dynamic fatigue and tearing. The intrinsic characteristics of the material make it particularly suitable for the production of profiles requiring high performance over time, both indoors and outdoors.


IL


P23


P32


P51

coflex >> CTL in Stainless Steel AISI 304 - DIN 1.4301 + Insert suitable for grinding EPDM		
Item	**H mm**	**Finish**
CTL80IL23270	8	IL23 - Cement Grey
CTL100IL23270	10	IL23 - Cement Grey
CTL125IL23270	12,5	IL23 - Cement Grey
CTL150IL23270	15	IL23 - Cement Grey
CTL200IL23270	20	IL23 - Cement Grey
CTL250IL23270	25	IL23 - Cement Grey
CTL300IL23270	30	IL23 - Cement Grey
CTL80IL32270	8	IL32 - Dark Beige
CTL100IL32270	10	IL32 - Dark Beige
CTL125IL32270	12,5	IL32 - Dark Beige
CTL150IL32270	15	IL32 - Dark Beige
CTL200IL32270	20	IL32 - Dark Beige
CTL250IL32270	25	IL32 - Dark Beige
CTL300IL32270	30	IL32 - Dark Beige
CTL80IL51270	8	IL51 - Black
CTL100IL51270	10	IL51 - Black
CTL125IL51270	12,5	IL51 - Black
CTL150IL51270	15	IL51 - Black
CTL200IL51270	20	IL51 - Black
CTL250IL51270	25	IL51 - Black
CTL300IL51270	30	IL51 - Black



MATERIAL DESCRIPTION

Aluminum
The primary aluminum alloy EN AW-6060 in T6 temper is suitable for complex extrusions, offering high strength and an excellent natural surface finish that lends itself well to subsequent finishing processes.

RESINPRENE Vulcanized rubber:
Resinprene vulcanized rubber is a modified EPDM-based compound whose particular characteristics we highlight:
Optimal mechanical properties in an operating temperature range from –40 °C to + 150 °C
Resistance to aqueous fluids, oils, and hydrocarbons. Low permanent deformation in compression and tension. Excellent resistance to aging. Exceptional resistance to dynamic fatigue and tearing. The intrinsic characteristics of the material make it particularly suitable for the production of profiles requiring high performance over time, both indoors and outdoors.


AN


P23


P32


P51

16/12/25

Profilitec S.p.A.
Via Scotte, 3 - 36033 Isola Vicentina (Vicenza), ITALY
Tel: +39 0444 268311
e-mail: profilitec@profilitec.com

Profilitec Corp.
e-mail: customerservice@profilitec.com

Profilitec Ibérica, S.L.U.
e-mail: iberica@profilitec.com

Profilitec France
e-mail: france@profilitec.com

coflex >> CTL in Natural Aluminum + Insert suitable for grinding EPDM		
Item	**H mm**	**Finish**
CTL80AN23270	8	A23 - Cement Grey
CTL100AN23270	10	A23 - Cement Grey
CTL125AN23270	12,5	A23 - Cement Grey
CTL150AN23270	15	A23 - Cement Grey
CTL200AN23270	20	A23 - Cement Grey
CTL250AN23270	25	A23 - Cement Grey
CTL300AN23270	30	A23 - Cement Grey
CTL80AN32270	8	A32 - Dark Beige
CTL100AN32270	10	A32 - Dark Beige
CTL125AN32270	12,5	A32 - Dark Beige
CTL150AN32270	15	A32 - Dark Beige
CTL200AN32270	20	A32 - Dark Beige
CTL250AN32270	25	A32 - Dark Beige
CTL300AN32270	30	A32 - Dark Beige
CTL80AN51270	8	A51 - Black
CTL100AN51270	10	A51 - Black
CTL125AN51270	12,5	A51 - Black
CTL150AN51270	15	A51 - Black
CTL200AN51270	20	A51 - Black
CTL250AN51270	25	A51 - Black
CTL300AN51270	30	A51 - Black

MATERIAL DESCRIPTION

Brass
Profiles made from CW618N (EN 12167) brass alloy are characterized by high resistance to mechanical stress, making them particularly suitable for heavy-traffic applications, such as industrial settings and at expansion joints.
Brass is resistant to most chemical agents commonly encountered during the installation of ceramic coverings. However, in the presence of humidity or aggressive substances, the surface may develop superficial oxidation, which can be removed using a standard polishing product.
These profiles can be manufactured through either hot extrusion or cold forming from sheets of constant thickness.

RESINPRENE Vulcanized rubber:
Resinprene vulcanized rubber is a modified EPDM-based compound whose particular characteristics we highlight:
Optimal mechanical properties in an operating temperature range from –40 °C to + 150 °C
Resistance to aqueous fluids, oils, and hydrocarbons. Low permanent deformation in compression and tension. Excellent resistance to aging. Exceptional resistance to dynamic fatigue and tearing. The intrinsic characteristics of the material make it particularly suitable for the production of profiles requiring high performance over time, both indoors and outdoors.

16/12/25

Profilitec S.p.A.
Via Scotte, 3 - 36033 Isola Vicentina (Vicenza), ITALY
Tel: +39 0444 268311
e-mail: profilitec@profilitec.com

Profilitec Corp.
e-mail: customerservice@profilitec.com

Profilitec Ibérica, S.L.U.
e-mail: iberica@profilitec.com

Profilitec France
e-mail: france@profilitec.com

coflex >> CTL in Brass + Insert suitable for grinding EPDM		
Item	**H mm**	**Finish**
CTL80ON23270	8	ON23 - Cement Grey
CTL100ON23270	10	ON23 - Cement Grey
CTL125ON23270	12,5	ON23 - Cement Grey
CTL150ON23270	15	ON23 - Cement Grey
CTL200ON23270	20	ON23 - Cement Grey
CTL250ON23270	25	ON23 - Cement Grey
CTL300ON23270	30	ON23 - Cement Grey
CTL80ON32270	8	ON32 - Dark Beige
CTL100ON32270	10	ON32 - Dark Beige
CTL125ON32270	12,5	ON32 - Dark Beige
CTL150ON32270	15	ON32 - Dark Beige
CTL200ON32270	20	ON32 - Dark Beige
CTL250ON32270	25	ON32 - Dark Beige
CTL300ON32270	30	ON32 - Dark Beige
CTL80ON51270	8	ON51 - Black
CTL100ON51270	10	ON51 - Black
CTL125ON51270	12,5	ON51 - Black
CTL150ON51270	15	ON51 - Black
CTL200ON51270	20	ON51 - Black
CTL250ON51270	25	ON51 - Black
CTL300ON51270	30	ON51 - Black

APPLICATION

1. Choose the H-size profile corresponding to the thickness of the tile to be laid, taking care to ensure that the profile does not exceed the edge of the floor but is positioned 0.5 to 1 mm lower.
2. Spread the adhesive in the profile application area with the help of a notched trowel;
3. Cut the profile to the required length and place it so that the base sinks into the adhesive, pressing and aligning it;
4. Apply an additional layer of adhesive to the perforation and in the cavities of the vertical section of the profile in contact with the edge of the floor;
5. Generally leave a space of about 2 mm between the profile and the edge of the tile to be filled later with sealant or grout;
6. Remove any adhesive residue from the profile immediately.

N.B.: Aluminum profiles offer limited resistance to alkaline substances, so their use must be evaluated according to the expected chemical aggressions. Aluminum profiles in contact with cementitious substances can be attacked by corrosion processes, so residues of used adhesives and sealants should be removed immediately. When laying, the right amount of adhesive must be used and the right drying times observed, avoiding creating cavities in which water can stagnate, which would lead to the formation of alkaline substances (aluminum hydroxide) and trigger corrosive electrolytic phenomena.

16/12/25

Profilitec S.p.A.
Via Scotte, 3 - 36033 Isola Vicentina (Vicenza), ITALY
Tel: +39 0444 268311
e-mail: profilitec@profilitec.com

Profilitec Corp.
e-mail: customerservice@profilitec.com

Profilitec Ibérica, S.L.U.
e-mail: iberica@profilitec.com

Profilitec France
e-mail: france@profilitec.com

CLEANING AND MAINTENANCE

STAINLESS STEEL:
Stainless steel is easy to clean and very hygienic because of its smooth, nonporous surface, which hinders the growth of bacteria. To keep it in good condition, simply wash it with warm soapy water, rinse it thoroughly and dry it with a soft cloth. If exposed to weathering, periodic cleaning is recommended to prevent corrosion. Brushed surfaces should be cleaned in the direction of brushing. In case of scratches, a specific polish can be used with a soft cloth.
Avoid cleaning agents containing hydrochloric acid, hydrofluoric acid or bleach, as well as abrasive products. Do not leave ordinary steel objects in contact with stainless steel to prevent contamination and rust stains. Also, do not leave damp patches or sponges on the surface to prevent water halos.

ALUMINIUM:
Aluminum requires no special maintenance.
For cleaning, use colorless alcohol diluted in water or neutral detergents, avoiding acidic ones (e.g., hydrochloric or hydrofluoric acid); use non-abrasive sponges or cloths to avoid damage. We recommend not applying cleaners directly to surfaces. After cleaning, rinse with water and dry immediately with a soft cloth. Avoid polishes. Quickly remove residual cement or grout to protect the surface.

BRASS:
Brass does not require special maintenance and is easily cleaned with alcohol diluted in water or with neutral detergents, avoiding those with an acidic base.
It is recommended to use water with mild detergents, ensuring the final rinse is with water only. To avoid scratches, use exclusively non-abrasive cloths or sponges. For maintenance, common polishes available on the market can be used.

WARNINGS

These profiles must be handled with care, taking care to use cut-resistant gloves. The instructions and requirements contained herein, while based on our experience, are to be considered purely indicative and must be confirmed by exhaustive practical applications. Profilitec declines all responsibility for any damage to persons or property resulting from improper use of the product. The user is responsible for determining whether or not the product is suitable for use and assumes all responsibility for any damage resulting from incorrect installation of the material.

BILL OF QUANTITIES ITEM

Supply and installation of profile in _____ (material), with finish _____ _____ (see Material Description section) of characteristic size _____ mm, equipped with a fin that guarantees perfect positioning under the tile used and with internal part closed by an elastic element in vulcanised EPDM rubber for better control of expansions in compression and durability over time.
Family type _____from the Profilitec company as an elastic joint and protection for the sandable covering to be supplied and installed according to the rules of the art, respecting the methods and fields of application indicated by the manufacturer.

Profile length: 2700 mm
Profile SKU: _____
Material: _____ €/m
Installation: _____ €/m
Totale price: _____ €/m

16/12/25

Profilitec S.p.A.
Via Scotte, 3 - 36033 Isola Vicentina (Vicenza), ITALY
Tel: +39 0444 268311
e-mail: profilitec@profilitec.com

Profilitec Corp.
e-mail: customerservice@profilitec.com

Profilitec Ibérica, S.L.U.
e-mail: iberica@profilitec.com

Profilitec France
e-mail: france@profilitec.com