profilitec
positive profile

Datasheet

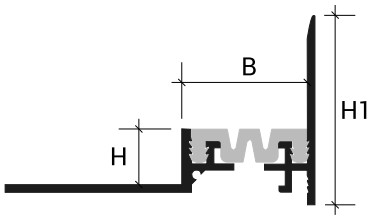
JOINTEC GEP - GELP

PRODUCT DESCRIPTION

JOINTEC GE aluminum structural expansion joints are composed of twin metal profiles joined by a central synthetic rubber insert. Designed to bear loads of large scale buildings or building compounds, they can be installed in the interstitial space between two sections of a building or between two bays. This technical joint links these interspaces, moving vertically and horizontally to accommodate a building's structural and material settlement. The structural bays defined by this profile should be further subdivided with smaller scale movement / expansion joints, chosen according to the expected use and flooring type.

TECHNICAL FEATURES

Length: 4,00 meters



Aluminum + Resinprene

GEP mounts the GI370 insert:
B = 40 mm
H1 = 60 mm
GELP mounts the GI470 insert:
B = 50 mm
H1 = 60 mm

MATERIAL DESCRIPTION

Aluminum + Resinprene
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 compound based on EPDM and NEOPRENE 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.

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jointec >> GEP Perimetral in Aluminum		
Item	**H mm**	**Finish**
GEP200AN23400	20	A23 - Cement Grey
GEP500AN23400	50	A23 - Cement Grey
GEP200AN51400	20	A51 - Black
GEP500AN51400	50	A51 - Black

jointec >> GELP Perimetral in Aluminum		
Item	**H mm**	**Finish**
GELP200A23400	20	A23 - Cement Grey
GELP500A23400	50	A23 - Cement Grey
GELP200A51400	20	A51 - Black
GELP500A51400	50	A51 - Black

APPLICATION

1. Choose the profile according to the loads and expansion to which it will be subjected. If necessary, level the subfloor using a layer of plastic mortar with a width of 10 cm approx. Calculating in advance that when the laying is completed the joint will be perfectly flush with the finished floor;
2. Spread the adhesive in the profile application area with the help of a notched trowel;
3. Cut the profile to the required length;
4. Align the joint, checking that it is perfectly linear. If present, fix the wings to the substrate using mechanical or chemical expansion plugs sized according to the loads and characteristics of the substrate;
5. Fixing must be carried out in parallel on both sides of the profile, positioning, if required, a plug every 30 cm, using the external holes alternately between the two fixing wings;
6. If necessary, depending on the type of wall covering material, a 3 to 5 mm elastic seal between the final edge of the wall covering and the profile is recommended.

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 adhesives and sealants used must 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.

CLEANING AND MAINTENANCE

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.

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.

23/12/25

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BILL OF QUANTITIES ITEM

Supply and installation of profile in _____ (material), with finish _____ _____ (see Material Description section) of characteristic size _____ mm, equipped with a wide perforated base with EPDM insert which facilitates perfect fixing and a vertical profile to create a perimeter joint. Family type _____ from the Profilitec company as a load-bearing perimeter structural joint to be used on the floor between semi-attached parts of buildings or between different spans 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: 4000 mm
Profile SKU: _____
Material: _____ €/m
Installation: _____ €/m
Totale price: _____ €/m

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