

Engineering . Industry, transport of Energy, Connections

Mastering High currents

ITEC.BAR™ GT FIRE BREAK ELEMENT

Fire break elements for ITEC.BAR™ GT connections 2 Hours firebreak resistance

Field of application:

- Keep its fire break quality in:
 - every kind of wall;
 - every kind of floor.
- Passage between two rooms with different pressure.
- Passage between two rooms with different weather conditions.
- Reduction of sounds which may be carried through the ITEC.BAR™ GT busducts.



Main features

Integration of the firebreak anywhere in an ITEC.BAR™ GT busduct element.

Position exactly adapted to each project.

In accordance with standards CEI 61439-1 et CEI 61439-6 for:

- Resistance to flamme-propagation;
- Fire-proofing in building penetration;
- No-propagation of hot or flammable gas;
- Resistance of insulating materials to abnormal heat;

- Structural strength.

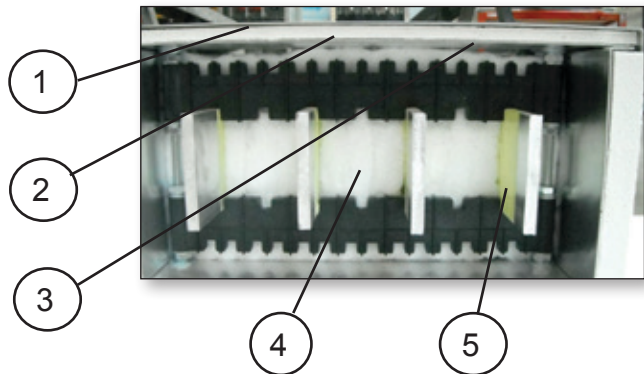
Rectangular flat contour of the enveloppe to facilitate the reseal of the wall opening all around the busduct.

External enveloppe in aluminium to protect the mineral boards from humidity for the reseal of the wall opening with refractory mortar or plaster.

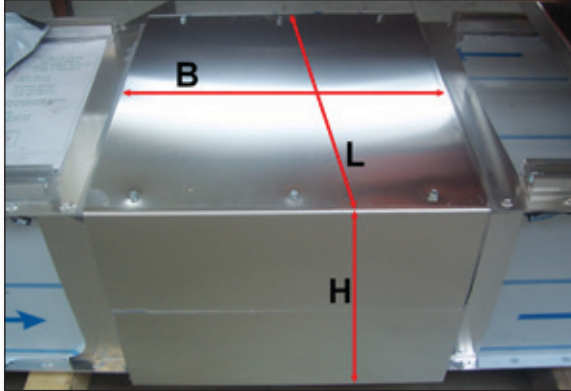
Conductor bars individually insulated by taping to avoid risks of short-circuit in case of accidental hydration of the mineral fibers.

Composition du coupe-feu

1	Enveloppe in aluminium
2	Ceramic fibers boards
3	Fire-dam sealant on the enveloppe of the busduct
4	Refractory fiber blankets
5	Conductor bars individually insulated



ITEC.BAR™ GT FIRE BREAKS ELEMENTS



Dimensions:

Conductor bars dimensions (mm)	B (mm)	H (mm)	L (mm)
50 x 10	405	195	442
80 x 10	405	225	442
100 x 10	405	245	442
120 x 10	405	265	442
160 x 10	405	305	442
200 x 10	405	345	442

Fire break elements installation

Fire break must be centered in the wall opening which should be at least 50 mm taller than the ITEC.BAR™ fire break section.

The length of fire break element is 442 mm and must be centered with respect to the thickness of the wall.

After installation of ITEC.BAR™ busbars, residual space all around fire break element must be filled up with appropriate materials (concret, refractory mortar, plaster, etc.). E.ITEC® denies any responsibility for fire break degree of the wall as well as the reconstituted residual space.

