



Engineering . Industry, transport of Energy, Connections

Mastering high currents

# ITEC.BAR™

APPLICATION  
SHEET

S11A

## Products and equipment for the glass industry

### E.ITEC AND THE GLASS INDUSTRY

E.ITEC® designs, manufactures, supplies and installs electrical products and equipment used in the glass industry.

Building on this and using competencies of its engineers and dedicated means like 3D CAD or electromagnetic and thermal simulations software, E.ITEC® offers traditional or innovative solutions meeting the specific needs of each customer.

Today, E.ITEC® is a leader of high current connections for industries such as:

- Hollow glass and packaging glass ;
- Flat glass (float) ;
- Special glass: borosilicate glass, opal glass, lead glass ...
- Thermal insulation materials (glass mineral wool) ;
- Spun glass for glass fabric and glass mats ;
- Refractories and electro-fused ceramics ;
- Other industrial glass ...

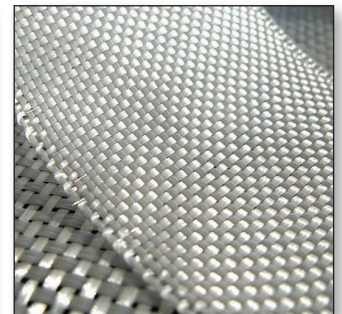


### FIBER GLASS, GLASS FABRIC AND GLASS MATS

Reinforcement fiber glass or  
textile glass fibers production industries.  
Thermal insulation materials (glass mineral wool)

Manufactured products:

- Electrical supply of fiber glass bushings ;
- Flexible connections ;
- Water cooled connections ;
- Busbars and bustubes ...



Example of the added value of E.ITEC®:

Improvement of a piece for electrical supply of fiber glass bushing on an existing process. Changing the shape of the old piece helped make a more flexible connexion, thereby enabling the significant reduction of the bushing fins breakages due to dilatation.



## Products and equipment for the glass industry

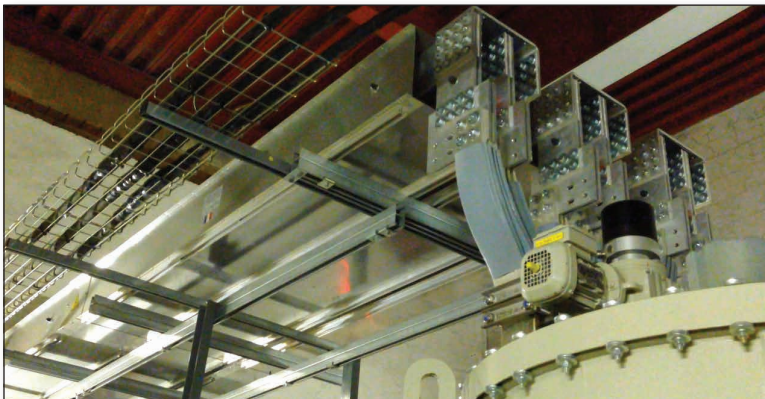
### GLASSWORKS

Equipment for glass production:

- Hollow glass ;
- Packaging glass ;
- Flat glass (float) ;
- Crystal ;
- Special glass: borosilicate glass, opal glass, lead glass ...

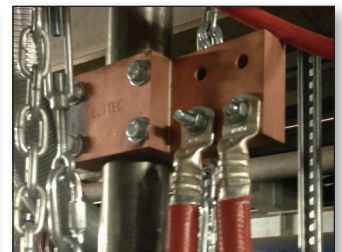
Manufactured products:

- Electric boosting systems ;
- Power supply for all-electric furnaces ;
  - Main supply bus ducts ;
  - Flexible connections ;
  - Electrode clamps ;
- Welded and machined parts ...



Example of the added value of E.ITEC®:

E.ITEC® provides machined electrode clamps which enable a better quality and efficiency of the electric contact with the electrode rods in comparison with casted or strapped clamps. Advantages are a reduction of the heating of the connection, a longer lifetime of the clamp and power loss reduction.



### REFRACTORIES AND ELECTRO-FUSED CERAMICS

Production of refractories for industrial applications:

- Blast Furnace Hearth Ceramic Cup ;
- Flash Smelting processes ;
- Ceramics for Glass furnaces ;
- Ceramics for oil and gas industry ...

Manufactured pieces:

- Water cooled cables ;
- Flexible connections ;
- Electrode clamps ;
- Electrode pads ;
- Busbars and bustubes ;
- Welded and machined parts ...

