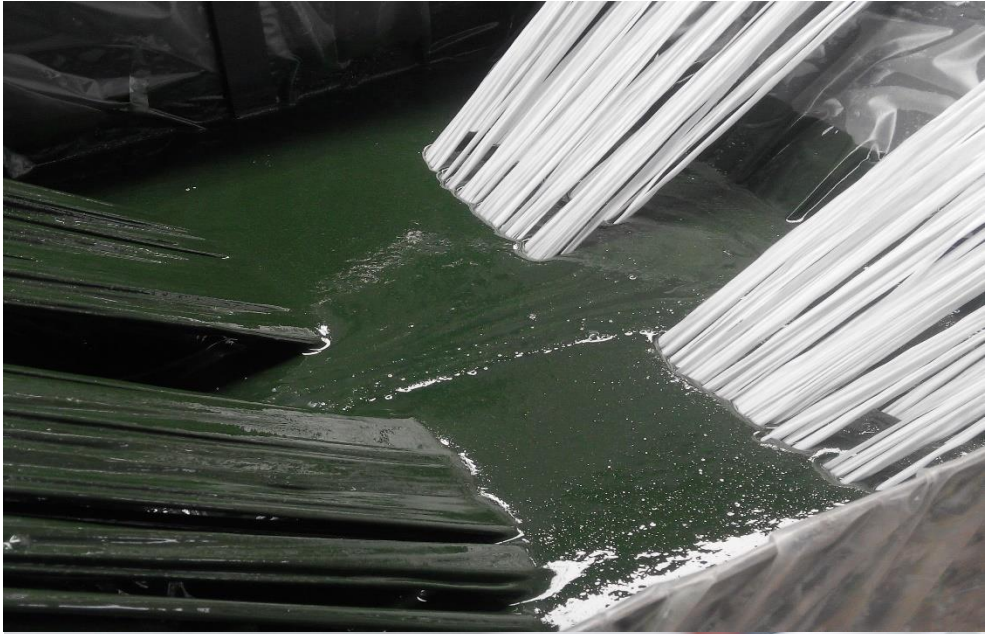


Fiberglass Rebars





MANUFACTURING

The rebars are made of pultruded fiberglass. This is a production process of thermo-rigid plastics materials to achieve reinforced polyester profiles, continuously, by subjecting the fibers to a drag and stopped with impregnated operations, forming, curing and cutting.

The finished product is totally inert, resistant to corrosion and to alkaline. They can be used as a valid alternative to the stainless steel round bars, bars coated with epoxy resins or galvanically protected, and corrugated iron.



TOUGH

The rebars fiberglass offers greater resistance in several fields in relation to those made with other raw materials.

Resistance to a wide range of chemicals. This is an advantage compared to steel bars, aluminum or wood, prone to rusting, corrosion or putrefaction when they are exposed to water or to chemical agents.

Fiberglass distributes the impact load on the material. They give a linear elastic response to breaking and do not show any flexibility. Other materials such as steel, aluminum or wood can be clearly deformed to an impact load.



EASY TO HANDLE

Materials such as steel or aluminum require special equipment to be transported, stored and assembled. The fiberglass rebars due to its weight ($\frac{1}{4}$ of steel) do not require such equipment.

Maintenance and repairs are minimal or non-existent due to its broad resistance to various agents. Which means a cost savings for the customer.



APPLICATIONS

Applications of corrugated fiberglass rods are quite numerous. The construction sector is the most benefited in the use of these materials.

The restructuring of facades, concrete meshes, buildings near saline, humid or near the sea and precast concrete places, are some examples of applications of this material.

Aeronautic, electrical, chemical or telephony, among others, are also beneficiaries of the characteristics of this material.



TECHNICAL SHEET



Fiber content
<80%



Traction Resistance
417,7 Mpa



Elasticity modulus
39 GPa



Resin content
<20%



Bending Resistance
430 Mpa



Water absorption
0,25 % máx.



*Study made with a 12mm diameter rod



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