



january 2013



ALTO developed for the company Conbego - Unipessoal, Lda, for their brand Be-on-Sport, a removable platform for public swimming pool depth reduction of Vila de Rei. This platform is made of pultruded profiles, and intends to ensure the safety of users of pools, whether children or adults with difficulties in swimming, and during the practice of sports and aquatic activities. To limit the depth reduction area, we placed a guarding rail on the edge of the platform, making it a practical and safe solution, thus avoiding any accidents.

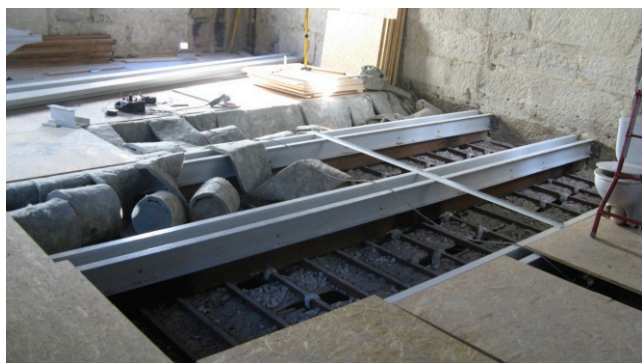
These materials are characterized by the absence of maintenance, are suitable for use in this type of environment, are suitable for intensive use in water and contact with chemicals, used in the maintenance of swimming pools and where high hygiene is required, are also easy to clean. The lightness of the structure allows the mounting and dismounting with relative ease.

These platforms have been scaled to support up to 400 kg/m² and allow the placement of equipment for the practice of exercise, such as hidrobikes.

In this way, ALTO, once again presents an innovative solution, combining functionality, with safety and aesthetics.



ALTO Perfis Pultrudidos, Lda has invested on rehabilitation of buildings with the implementation of solutions in pultruded profiles. The need for lightweight materials (about 1/4 of the weight of the steel and 2/3 of the weight of aluminum) for application on old housing structures is a requirement of this type of market and pultruded profiles are a good alternative, combined with its high durability and natural resistance to "silkworm wood". The way of handling, without need for lifting equipment and the ease of working this type of material, which can be cut and drilled on site presents a great flexibility in mounting. As the latest example of the application of these materials in the rehabilitation of buildings, we have the last floor of a building on Avenida García Barbón, Vigo, Spain, where we rehabilitate the entire structure from the ground and roof support, renewing the structure while maintaining the original aspect of the building, contributing to the maintenance of heritage. Given the high length from bottom to the roof, we made an intermediate floor (mezzanine) based on the structure of pultruded profiles that support the roof. In this rehabilitation, there was a need to avoid disturbing the downstairs neighbor and not have to remove the cover. Thus, the combination of the existing wooden structure with pultruded profiles. On the ground, was taken off all over the floor, leaving the wooden beams that support the ceiling of the downstairs neighbor and these were strengthened with U 200x60x8mm pultruded profiles. So that we don't have to remove the roof were only reinforced the pairs of beams that were more decayed and were also reinforced with U 200x60x8mm profiles. For placement of the mezzanine, it was necessary a beam to cover the length of about 8.50 meters. Unable to put any beam, not to reduce the height it was necessary to devise a solution that would allow increasing the inertia of beam to support the loads imposed.



Given the impossibility of placing of materials inside the building, for lack of space, these were placed with the aid of a crane that introduced in housing through the window, and the entire assembly is made with human strength.

This strong commitment to the modernization and improvement of building structures where if you intend to keep the originality and initial aspect, thus preserving the historical and cultural heritage of the cities.

www.alto.pt