

ABSTRACT

PROCESS FOR MANUFACTURING A PLASTIC COMPOSITE PROFILE,  
PLANT FOR THE IMPLEMENTATION OF THE PROCESS, AND  
PLASTIC COMPOSITE PROFILE

Process for manufacturing a plastic composite profile (P) of any cross section, having an outer layer or skin made of a first material and at least one inner layer made of a different material suitable for adhering to the skin, according to which process the materials of the profile are coextruded. In a first step, a cylindrical bead (16) of solid cross section is produced using a coextrusion unit (14), in which bead the skin material forms an outer ring whereas the material of the inner layer forms the core; and, downstream of the coextrusion unit, the cross section of the cylindrical bead (16) is gradually converted in a simple extrusion head (17), of the kind used for single-material profiles, into the desired section for the profile, in such a way that the skin remains present, with a minimal thickness, at least on all the essential parts of the completed profile.

(Figure 1)