

A method of manufacture of geo-technical profiles, characterized in that thermoplastic material, preferably hard and high-impact, PVC and/or PET and/or PH and/or ABS and/or PP, is plasticized in an extruder, after which it is pressed through an cross die unit and internal reinforcing profiles (2, 4, 6, 8, 10, 12, 14, 16) in the form of flat bars, arched elements, angled elements, ribbed profiles or sections of any geometry are entered to it in the entire volume, and at least in selected cross-section areas of the geotechnical profile (1, 3, 5, 7, 9, 11, 13, 15), whereas these profiles are created from continuous and/or chopped fiber produced simultaneously or as part of a separate production process. A reinforced geotechnical profile, particularly a sheet piling profiles and a mobile flood prevention devices characterized in that it is manufactured out of thermoplastic material, in which reinforcement (2, 4, 6, 8, 10, 12, 14, 16) in the form of continuous fibers are entered locally or at least in selected cross-section areas, and then stabilized and maintained in position by a layer/coat made of PVC and/or PET and/or PE and/or ABS and/or PP, which is permanently and inseparably connected to the glass fibers.