

Title (en)
Method and system for manufacturing a composite slab, and composite slab

Title (de)
Verfahren und System zur Herstellung einer Verbundplatte und Verbundplatte

Title (fr)
Procédé et système pour la fabrication d'une dalle composite et dalle composite

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Application
EP 00660158 A 20000918

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Abstract (en)
The invention relates to a method and a system for manufacturing a composite slab and to a corresponding composite slab, which comprises a hollow-core slab (1) and a surface slab (3) placed upon it and separated from it by spacer elements (2) of elastic material. In the method, the hollow-core slab is cast upon a prestressing bed (4). The surface slab (3) is then cast directly onto the hollow-core slab (1) so that the upper surface of the hollow-core slab functions as a mould for the lower surface of the surface slab, thus giving the lower surface of the surface slab a surface relief that is complementary to the upper surface of the hollow-core slab. In the composite slab, the non-planar surface profile of the lower surface (6) of the surface slab (3) is, in the entire area of the lower surface, complementary to the surface profile of the non-planar upper surface (5) of the hollow-core slab (1), so that any distortions of the shape of the said surfaces, such as bulges and pits, are repeated in a mirror image fashion in the two opposite surfaces. The spacer elements (2) placed between the hollow-core slab (1) and the surface slab (3) are of equal thickness. <IMAGE>

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