

Formwork for Surfaces Varying in Curvature

A b s t r a c t

Formwork (1) for surfaces varying in curvature has a face sheet (2) adjustable with respect to its curvature, girders (3) supporting the face sheet and applied to the girders (3), in spaced relationship to the face sheet (2), there is a boom system which is composed of individual boom members (4,5) bridging the girders (3) and is suitably attached to the girders (3) at the outsides thereof averted from the face sheet (2). Adjustment of the curvature of the face sheet (2) is carried out by altering the effective length of the boom members (4,5) between the girders (3). The mutually opposed formwork elements are adapted to be braced together by means of formwork anchor ties (6). A crosspiece (4) in the form of a boom member is applied to a formwork element at at least two girders (3) and simultaneously serves as an abutment for the formwork anchor tie (6), the latter therefore being arranged between and having its reaction forces transferred to the two girders. The crosspiece is likewise changeable in its effective length by its fastening location being adjustable in the longitudinal direction in which the crosspiece extends and transversely to the orientation of the girder, so that the crosspiece (4) is available as an adjustable boom member in altering the curvature of the face sheet (2), as well as sustaining the tension forces. (Fig. 1)