

GENERALLY/PREPARATION

110
worst combination of:

LOADINGS: Design and construct formwork to withstand the

and concrete.

effects of placing, compacting and construction traffic.

- Total weight of formwork, reinforcement
- Construction loads including dynamic
- Wind and snow loads.

170

WORK BELOW GROUND:

cast against faces of excavation, provided:

stable.

progressively as concrete is placed.

prevent contamination of concrete.

- Vertical faces of strip footings, bases and slabs may be
- Prior approval is obtained.
- The faces are sufficiently accurate and
- Supports to faces are withdrawn
- Adequate measures are taken to
- Faces of walls must be cast against formwork.

200

UNDERSLAB SHEET INSULATION:

- **Manufacturer and reference: Kingspan Thermafloor TF70**
 - **Thickness: 75mm**
 - **Lay sheets on 1200 gauge polythene on wall compacted**
 - Seal all joints with tape recommended by manufacturer or
 - Ensure that insulation is covered with concrete blinding
- sand blinded hard core.
- by completely overlaying with 500 gauge polyethylene with lapped joints.
- (see section E10) before fixing slab reinforcement.

CONSTRUCTION

310
adequate supports to produce finished concrete to the required dimensions. Formed surfaces must be free from twist and bow (other than any required cambers), all intersections, lines and angles being square, plumb and true.

320
JOINTS IN FORMS: Construct formwork, including joints in form linings and between forms and completed work, to prevent loss of grout, using seals when necessary. Secure formwork tight against adjacent concrete to prevent formation of steps.

330

INSERTS, HOLES AND CHASES:

- Confirm positions and details to ensure that alterations to
 - Fix inserts or box out as required in correct positions before
- and decisions about their size and location are not made without the knowledge and approval of the CA.
- placing concrete. Form all holes and chases. Do not cut hardened concrete without approval.

510
RESPONSIBILITY: Strike formwork without disturbing, damaging or overloading structure, and without disturbing props. Notwithstanding other clauses in this specification and any checking or approvals by the CA, the responsibility for safe removal of any part of the formwork and any supports without damaging the structure rests with the Contractor.

520

MINIMUM PERIODS: The following periods (in days) for retaining formwork in position before striking apply to class 42.5 or sulfate-resisting Portland cement concrete with no cement replacement materials or admixtures:

minimum temperatures	Type of and formwork	Average mean of daily and maximum air during the period 16°C 7°C 3°C		
	Vertical formwork to columns, walls and beams	1/2	3/4	1
	Soffit forms to slabs	4	6	8
	Props to slabs and soffit forms to beams	10	15	20
	Props to beams	14	21	28
Submit details of proposed periods for mixes using admixtures or other types of cement.				