Concrete:
- Concrete compressive strength at 28 days F_{cu} / F'_{c} = 40/32 MPa.
- Concrete compressive strength at releasing/demolding time.
- Type of cement: OPC.
- Additives:

Steel:
- Normal reinforcing steel: BS4449, F_{y} = 460 MPa.
- Prestress reinforcing steel: low-relaxation 7 Wire strands complying with ASTM A416 grade 270.


Concrete clear cover for reinforcing steel as per ACI-318 sec (7.7.1):
- Wall panel: F_{ci} = 0.6 (F_{cu} / F'_{c}).

All dimensions are in millimeters, all levels in meters. Do not scale from this drawing. Only written dimensions are to be considered.

General notes:

MATERIALS:
- Extruded Polystyrene thermal insulation board Type VIClassification Density of Insulation = 32-35 kg/m³ Thermal Insulation:
  - K (thermal conductivity) Emirates Extruded Polystyrene = 0.0292 W/m.k
  - K (thermal conductivity) Isoboard Extruded Polystyrene = 0.0279 W/m.k

PRODUCT DATA SHEET

EXP-SW-30/11

EXEED PRECAST
SANDWICH PANEL
PANEL THICKNESS IN cm.

INTERNAL LAYER CONCRETE REINFORCED 70mm
EXTRUDED POLYSTYRENE 60mm
INTERNAL LAYER CONCRETE REINFORCED 70mm

EXTERNAL LAYER CONCRETE REINFORCED 70mm

DATE: 30/04/2012
REF: EXP-SW-30/11
REV. NO: 0

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