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.

**GENERAL NOTES:**
- All dimensions are in millimeters, all levels in meters.
- Do not scale from this drawing. Only written dimensions are to be considered.
- Concrete clear cover for reinforcing steel as per ACI-318 sec (7.7.1):
  - Wall panel: $F_{ci} = 0.6 (F_{cu}/F'_c)$.

**MATERIALS:**
- **TOLERANCE:**
- Extruded Polystyrene thermal Insulation board Type VIClassification
  - Density of Insulation = $32-35$ kg/m$^3$
  - Thermal conductivity of Extruded Polystyrene = $0.0292$ W/m·K
  - Isoboard Extruded Polystyrene = $0.0279$ W/m·K

**EXP-SW-25/11**

**PRODUCT DATA SHEET**

**PRECAST INSULATED WALL PANEL, 250 mm THK**

**REF:** EXP-SW-25/11

**DATE:** 30/04/2012  
**REV. NO.** 0

**EXTERNAL LAYER**
- CONCRETE REINFORCED: 70mm

**INSULATION**
- EXTRUDED POLYSTYRENE: 60mm

**INTERNAL LAYER**
- CONCRETE REINFORCED: 70mm

**EXEED PRECAST**

**Sandwich Panel**

**Panel Thickness in cm.**

**External Layer**

**Internal Layer**