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

Steel:
- Normal reinforcing steel: BS4449, $F_y = 460 \text{MPa}$.
- 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 $F_{ci} = 0.6 \left( \frac{F_{cu}}{F'_{c}} \right)$.

MATERIALS:
- Tolerance:
  - Extruded Polystyrene thermal Insulation board Type VIClassification Density of Insulation $= 32-35 \text{kg/m}^3$.
  - Thermal Insulation:
    - $K$ (thermal conductivity) $= 0.0292 \text{W/m.k}$, Isoboard Extruded Polystyrene $= 0.0279 \text{W/m.k}$.

EXEED PRECAST SANDWICH PANEL

<table>
<thead>
<tr>
<th>PANEL THICKNESS IN cm.</th>
<th>INSULATION THICKNESS IN cm.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTERNAL LAYER CONCRETE REINFORCED 70mm</td>
<td>60mm</td>
</tr>
<tr>
<td>INTERNAL LAYER CONCRETE REINFORCED 70mm</td>
<td>60mm</td>
</tr>
</tbody>
</table>

PRECAST INSULATED WALL PANEL, 250 mm THK

PRODUCT DATA SHEET

REF. EXP-SW-25/10

DATE 30/04/2012 REV. NO. 0