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.

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 level 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): $F_{ci}=0.6 (F_{cu}/F'_c)$.

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

EXEED PRECAST SANDWICH PANEL

PANEL THICKNESS IN cm.

EXTERNAL LAYER

1. CONCRETE REINFORCED 70mm
2. EXTRUDED POLYSTYRENE 60mm

INTERNAL LAYER CONCRETE REINFORCED 70mm

PRECAST INSULATED WALL PANEL, 290mm THK

PRODUCT DATA SHEET

REF. EXP-SW-29/11

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