**Concrete:**
- Compressive strength at 28 days: $F_{cu}/F'_c = 40/32$ MPa.
- 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.

**Tolerance:**

**Concrete clear cover for reinforcing steel**
- As per ACI-318 sec (7.7.1):
  - Wall panel: $F_{ci} = 0.6 (F_{cu}/F'_c) = 20$ mm to $30$ mm.

**General Notes:**
- All dimensions are in millimeters, all level in meters.
- Do not scale from this drawing. Only written dimensions are to be considered.

**Materials:**
- Extruded Polystyrene thermal Insulation board Type VIClassification.
- Density of Insulation: 32-35 kg/m$^3$.

**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 Co. Design Department**

**Product Data Sheet**

**External Layer:**
- Insulation: Extruded Polystyrene 60 mm.
- Concrete Reinforced: 70 mm.

**Internal Layer:**
- Insulation: Concrete Reinforced: 70 mm.

**PreCast Insulated Wall Panel, 270 mm THK**

**Reference:** EXP-SW-2711

**Revision:** 0

**Date:** 30/04/2012

---

**PreCast Systems**

---

**Exeed PreCast LLC**

---

**Phone:** 600890690

**Website:** www.exeedprecast.ae

**Email:** info@exeedprecast.ae