

F10 - CONCRETE WI BEAM BLOCKWORK BLK-WIB140

- **Blocks: To BS EN 771-3**
 - Manufacturer: Plasmor or S Morris
 - Web: www.wembleyinnovation.co.uk
 - Email: info@wembleyinnovation.co.uk
 - Product reference: WI Beam "U" Block (140mm)
 - Special Shapes: U with central base hole
 - Finish/colour: Paint grade / grey as delivered
 - Compressive strength: Minimum 7.3 N/mm²
 - Freeze/Thaw resistance: Not to be left exposed
 - Thermal resistance: (internal): 0.3 K/W m²
 - Work sizes: (Length x Width x Height) 440 x 140 x 215 mm
 - Additional requirements: Minimum density 1450kg/m³
- **Mortar: As section Z21**
 - Mix: 1:1:6 cement:lime:sand Strength Class M4
 - Additional requirements: No special colour
- **Bond:** Stretcher bond to provide half lap with courses above and below
- **Joints:** Standard 10mm
- **Features:** None
- **Movement Joints:**
 - At nominated design lengths
 - Where any change in loading condition occurs
 - Abutments with structural walls, columns or at designed locations
- **Sundry Items:** As section F30
- **Steel Reinforcing:**
 - H16 bar to EN 10083-1
 - Minimum overlap of 640mm tied with tie wire at 300mm centres
 - Minimum embedment length of 90mm in end cleat sockets
 - Maximum corner development length of 900mm
- **Concrete Infill:** To EN1996-1-1
 - C40 mixture strength with a maximum aggregate size of 6mm
- **Transfer Rods:**
 - Manufacturer: Wembley Innovation
 - Web: www.wembleyinnovation.co.uk
 - Email: info@wembleyinnovation.co.uk
 - Work sizes: (length x width x thickness) 610 x 40 x 4 mm
 - Maximum installed centres of 900mm
- **End Cleats:**
 - Manufacturer: Wembley Innovation
 - Web: www.wembleyinnovation.co.uk
 - Email: info@wembleyinnovation.co.uk
 - Connected to structural frame as per detailed drawings
- **Other:**
 - WI Beam metal components: Zinc plated to BS 1706
 - WI Beam PVC de-bonding sleeve: 3.5mm thick soft compound PVC