# J40 Flexible sheet waterproofing/ damp proofing

### To be read with Preliminaries/ General conditions.

### WORKMANSHIP SKILLS

* Operatives: Appropriately skilled and experienced for the type and quality of work.
* Use only Newton NSBC trained operatives. In Accordance with our BBA Certificate Newton CDM Solution is a specialist fit. The system should only be installed by installers who have been trained and approved by the Certificate holder. Newton Waterproofing Systems
* Registration: CSCS, CSSW, PCA
* Evidence: Operatives must produce evidence of skills/qualifications when requested

### MANUFACTURERS RECOMMENDATION/INSTRUCTION

* General: Comply with manufacturer’s printed recommendations and instructions current on the date of the Invitation to tender
* Changes to recommendations: Submit details
* Ancillary products and accessories: Use those supplied or recommended by Newton Waterproofing Systems

### 290A HIGH DENSITY POLYETHYLENE STUDDED CAVITY DRAIN MEMBRANE

* Substrate: Wide range of substrates in varying situations Concrete, Brick, Concrete block, ICF, Fibran XPS 500-C
  + Preparation: May be required depending on substrate (Installation manual 3.1)

Manufacturer: Newton Waterproofing Systems.

* + System Reference Newton 500-PAC System
  + Product reference: Newton 508R (M1R/M2R). – 2.4/2.07 x 20 m.
* Stud height: 8mm.
* Fixing: Mechanically fix sheets.
  + Fasteners: Newton MultiPlug (A1) Double sealed with Newton OverTape.
    - Fixing centres: Curtain hung 500mm centres along the top edge of the wall membrane.
    - Sealing: Rubber grommet on the Newton MultiPlug Double seal with Newton OverTape.
* Joints: Minimum 70mm.
  + Sealing: Flange joint - Newton WaterSeal Tape (A5), Stud into stud between last two rows of studs or Stud over stud joint - Newton WaterSeal Rope (A6).
* Product reference: Floor membrane Newton 508 (M1R/M2R). – 2.4/2.07 x 20 m
* Fixing: Loose lay flooring membrane
* Sealing: Newton WaterSeal Tape (A5), Newton Overtape (A7/A8) – 150mm x 20m/100mm x 20mm) Waterseal Rope (A6) – (4.75lm)
* Drainage components: Newton Basedrain.

## WORKMANSHIP

### 310 WORKMANSHIP GENERALLY

* Condition of substrate:
  + Clean and even textured, free from voids and sharp protrusions.
  + Moisture content: Compatible with damp proofing/ tanking.
* Air and surface temperature: Do not apply sheets if below minimum recommended by membrane manufacturer.
* Condition of membrane at completion:
  + Neat, smooth and fully supported, dressed well into abutments and around intrusions.
  + Completely impervious and continuous.
  + Undamaged. Prevent puncturing during following work.
* Permanent overlying construction: Cover membrane as soon as possible.

### 360A JUNCTIONS WITH PROJECTING DPCS/ CAVITY TRAYS

* Adjoining surfaces: Clean and dry.
* Dpcs/ Cavity trays: Lap and fully bond.
  + Laps (minimum): 50mm.
  + Bonding/ Sealing: Double sealed with Newton OverTape.

### 365A JUNCTIONS WITH FLUSH DPCS/ CAVITY TRAYS

* Bring wall membrane past DPC: 50 mm minimum lap
* Sealing: Newton MultiPlug sealed with a patch over OverTape

### 381 INSULATION SPACER FOR WATERPROOFING

* Manufacturer: Newton Waterproofing Systems.
  + Product reference: Newton Fibran XPS 500-C.
* Thickness: 50mm.
* Application: Flat surfaces, regulated and clean
  + Fixing:
  + Loose laid
  + When placed under T&G chipboard mechanically fix the insulation boards with 5 x Newton Expansion Insulation Fixings code IF90
  + Board joints: Abutt square edges
* Membrane: Laid directly on top of insulation

### 382A CAVITY DRAINAGE CHANNELS

* Manufacturer: Newton Waterproofing Systems.
  + Product reference: Newton Basedrain.
* Components: Basedrain (D1), Floordrain (D3), T-Piece (D7), Swept corners (D6), Inspection ports (D26), Basedrain Inspection Port 90º bend (D27), Basedrain adapter (D24)..

### 384A CAVITY DRAINAGE PUMPS

* Manufacturer: Newton Waterproofing Systems.
  + Product reference: Newton CP or NP pumps.
* Type: Submersible.
* Flow rate: Pump dependant.
* Pumping head (minimum): Pump dependant.
* Discharge pipe size: 50mm.

### 386 CAVITY DRAINAGE SUMPS

* Manufacturer: Newton Waterproofing Systems.
  + Product reference: Titan-Pro.
* Size: Manufacturer's standard.