# 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 Newton Specialist Basement

### 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 CDM System
	+ Product reference: Wall membrane Newton 508 (M1R/M2R). – 2.4/2.07 x 20 m.
* Stud height: 8mm.
* Fixing: Mechanically fix walling sheets.
	+ Fasteners: Newton MultiPlug (A1).
	+ Fixing centres: Battens 400mm horizontal, 600mm vertical Curtain hung 500mm centres along the top edge of the wall membrane.
* Sealing: Rubber grommet on the Newton MultiPlug.
* 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).
* 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.

### 360 JUNCTIONS WITH PROJECTING DPCS/ CAVITY TRAYS

* Adjoining surfaces: Clean and dry.
* Dpcs/ Cavity trays: Lap and fully bond/ seal with sheeting.
	+ Laps (minimum): 50mm.
	+ Bonding/ Sealing: As drawing CDM-D14A-C.

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

* Bring wall membrane past DPC: 50 mm minimum lap
* Sealing: Newotn MultiPlug

### 382A CAVITY DRAINAGE CHANNELS

* Manufacturer: Newton Waterproofing Systems.
	+ Product reference: Newton Baseboard.
* Drainage components: Baseboard length (D12), Baseboard Outside Corner (D9), Baseboard Inside Corner (D10), Baseboard End Caps (Right/Left) D11R & (D11L), Baseboard Hanger (D12H), Baseboard Connector (D13)

### 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.