

**GROUND GAS  
PROTECTION  
GP<sup>®</sup>1 SAM  
NBS SPECIFICATION  
SHEET**

**JUTA**



**TITANTECH<sup>®</sup>**



**GP<sup>®</sup>1 SAM**

## Specification in NBS Format

### J40 flexible sheet waterproofing / damp proofing

To be read with preliminaries/  
general conditions.

### TYPES OF TANKING/DAMP PROOFING

#### 115 CONCRETE BLINDING TO HARDCORE BEDS

- Concrete: Designated GEN 1 or Standardised prescribed ST2.
  - Thickness: 50 mm or as agreed with project engineer.

#### 180 SELF-ADHESIVE BITUMEN GAS RETARDANT DAMP PROOFING/ TANKING

- Substrate: Concrete blinding hardcore below slab/concrete upstand dwarf walls/slab edges/flush pointed blockwork/brickwork.
- Primer: Required to vertical or inclined surfaces - As Clause 335.
- Manufacturer: JUTA UK LTD, Melton Grove Works, Church Road, Lytham, FY8 5PL.  
Tel: 01772 754177, E-mail: technical@juta.co.uk, Web: www.juta.co.uk
- Product reference: GP<sup>®</sup>1 SAM.
- Number of layers: One.
- Thickness/Gauge: 1.5 mm (applied).
- Bonding. Full. Smooth out to exclude air.
- Joints:
  - Surfaces to be joined: Clean and dry beyond full width of joint.
  - Laps (minimum): 50 mm, side and 100 mm end/cut rolls.
  - Sealing: Roll to fully adhere.
- Accessories: GP<sup>®</sup> PRIMER/GP<sup>®</sup> Protection Board/JUTA PD1700.

### 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.

### 320 INSPECTION

- Give notice: Before covering any part of membrane with overlying construction.
- Specific requirements – Where ground gas a consideration, independent validation/verification required in accordance with C735.

### 335 PRIMERS

- Manufacturer: JUTA UK LTD, Melton Grove Works, Church Road, Lytham, FY8 5PL.  
Tel: 01772 754177, E-mail: [technical@juta.co.uk](mailto:technical@juta.co.uk), Web: [www.juta.co.uk](http://www.juta.co.uk)
- Product reference: GP<sup>®</sup> Primer.
- Coverage per coat (minimum): 8 m<sup>2</sup> / litre.
- Curing: Allow to dry thoroughly before covering.

### 351 ANGLES IN BONDED DAMP PROOFING/ TANKING

- Fit internal angles with a sand/cement fillet, not less than 40 x 40 mm, unless noted otherwise.
- Reinforcing strip to all angles:
  - Material: As damp proofing tanking.
  - Width (minimum): 300 mm.
  - Timing: Apply before main sheeting.
- Dressing of main sheeting onto adjacent surfaces (minimum): 100 mm.

### 360 JUNCTIONS WITH PROJECTING DPCS/CAVITY TRAYS

- Adjoining surfaces: Clean and dry.
- Dpcs/Cavity trays: Lap and fully bond/seal with sheeting.:
  - Laps (minimum): 100 mm.
  - Bonding/Sealing: As main sheeting.

### 371 PIPES, DUCTS, CABLES, ETC.

- Where these pass-through sheeting, follow details as recommended for the purpose by the sheet Manufacturer.





## 380 PROTECTION FOR DAMP PROOFING/TANKING

- Manufacturer: JUTA UK LTD, Melton Grove Works, Church Road, Lytham, FY8 5PL.  
Tel: 01772 754177, E-mail: [technical@juta.co.uk](mailto:technical@juta.co.uk), Web: [www.juta.co.uk](http://www.juta.co.uk)
- Product reference: JUTA GP<sup>®</sup> PROTECTION BOARD (or equal and approved).
- Thickness: 3 mm.
- Application: Membrane surface clean and free from contaminants.
  - Bonding: GP<sup>®</sup> TAPE.
  - Board joints: Butted together.
  - Board contact with membrane: Secure and continuous.
- Backfilling: Carry out when tanking, loading and protection are complete.

## OR

- See Clause 295.

## 295 GEOCOMPOSITE STUDDED CAVITY DRAINAGE/VENTING MEMBRANE

- Substrate: Concrete retaining wall, or WP rigid insulation to retaining wall.
- Manufacturer: JUTA UK LTD, Melton Grove Works, Church Road, Lytham, FY8 5PL.  
Tel: 01772 754177, E-mail: [technical@juta.co.uk](mailto:technical@juta.co.uk), Web: [www.juta.co.uk](http://www.juta.co.uk)
- Product reference: JUTA PD1700.
- Stud height: 6 mm.
- Fixing: GP<sup>®</sup> TAPE, unless noted otherwise.
  - Fixing centres: 2000 mm maximum.
- Joints: Separate geotextile fabric from studded sheet, make overlapped joint and connect in accordance with manufacturer's recommendations.
- Exposed edges and corners: Seal with geotextile fabric to prevent silt entering the core.
- Accessories: Optional GP<sup>®</sup> OVERTAPE.