



# GP<sup>®</sup> TITANFLEX<sup>®</sup>

## Specification in NBS Format

**J40 flexible waterproofing /  
damp proofing membrane  
including gas/hydrocarbon  
protection Uniclass Code:  
Pr\_25\_57\_65\_60 Plastics sheets**

To be read with Preliminaries/  
General conditions.

### 110 SOFT BLINDING TO HARDCORE BEDS

- Material: Soft sand.
  - Thickness (minimum): 25 mm.
- Finish on completion: Smooth, consolidated bed free of sharp projections.
  - Optional - use 300TT geotextile in place of soft sand blinding.

### TYPES OF TANKING/DAMP PROOFING

#### 145 LOOSE LAID WELDABLE POLYETHYLENE GAS RETARDANT DAMP PROOFING

- Substrate: Sand blinded hardcore/300TT geotextile.
- Standard: BBA Certificate No. 20/5728.
- 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 DPM.
- Number of layers: One.
- Thickness/Gauge: 0.6 mm.
- Bonding: as per manufacturer's standard details.
- Joints: as per manufacturer's standard.
  - Surfaces to be joined: Clean and dry beyond full width of joint.
  - Laps (minimum): 100 mm.
  - Sealing: Optimal – thermal jointing on 50 mm overlap.
  - Optional - GP<sup>®</sup> TAPE between overlaps, edge of top sheet sealed with GP<sup>®</sup> OVERTAPE.
- Accessories: As required, as per manufacturer's recommendations and installation guidance manual.



## 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.
- Specific requirements – Where ground gas a consideration, specialist installer recommended – NVQ level 2 gas membrane installation or TWI/CSWIP accreditation for plastic welding.

### 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.

### 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 (OPTIONAL)

- 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: 300TT (or equal and approved).
- Thickness: 1.25 mm.
- Application: Membrane surface clean and free from contaminants.
  - Bonding: Lap and lay.