

**GROUND GAS
PROTECTION
GP® TITANBOND®
NBS SPECIFICATION
SHEET**

JUTA



TITANTECH®



**GP®
TITANBOND®**

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.

OR

115 CONCRETE BLINDING TO HARDCORE BEDS

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

TYPES OF TANKING/DAMP PROOFING

297 WATERPROOFING/DAMP PROOFING MEMBRANE

- Substrate: Sand blinded hardcore as 110 OR Concrete blinded hardcore as 115.
- Primer: Not required.
- 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® TITANBOND®.
- Number of layers: One.
- Thickness / Gauge: 2 mm.
- Joints:
 - Surfaces to be joined: Clean and dry beyond full width of joint.
 - Laps (minimum): 100 mm.
 - Sealing: GP® TAPE (100mm wide) or Thermal welded joint >50 mm. Finish with GP® OVERTAPE.



• Accessories:

- GP® OVERTAPE – To seal over joints, internal/external corners and pipe collars to suit,
- GP® TITANBOND® edge strip – for horizontal/vertical transitions.
- GP® TITAN EXT TAPE for roll end joints.
- GP® TAPE.
- GP® TITANTECH® weld strip where thermal seal required.

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.

370 PREFORMED COLLARS FOR 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, Web: www.juta.co.uk
 - Product reference: GP® Protection Board (or equal and approved).
- Thickness: 3 mm.
- Application: Membrane surface clean and free from contaminants.
 - Bonding: GP® 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, Web: www.juta.co.uk
 - Product reference: PD1700.
- Stud height: 6 mm.
- Fixing: JUTA GP® TAPE, unless noted otherwise.
 - Fixing centres: 2000 mm maximum.
 - Board joints: Butted together.
- 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® OVERTAPE.