

**JUTA LGB (LIQUID GAS MEMBRANE)**  
LIQUID APPLIED GAS MEMBRANE TO TOP OF CONCRETE PILE CAP. ALSO APPLIED TO ANY PROJECTING REBAR.

**POUR 2 - SLAB  
POURED OVER**

TITANBOND TO LAP MINIMUM  
100mm ONTO PREPARED PILE CAP

**NB - CONTINUITY OVER  
FOUNDATIONS USING LIQUID  
MEMBRANES IS ONLY SUGGESTED  
IN CERTAIN APPLICATIONS &  
ENVIRONMENTS. PLEASE  
CONSULT JUTA UK FOR  
CONFIRMATION OF SUITABILITY.**

**POUR 1 -  
FOUNDATION/  
CAPPING BEAM**

**JUTA GP® TITANBOND**  
GAS RESISTANT MEMBRANE  
LAID FLEECE FACING UP ONTO 40mm  
SAND or CONCRETE BLINDING.

**JUTA GP® SEALANT**  
USED TO SECURE JUTA GP  
TITANBOND PREPARED PILE CAPS

**JUTA PHS (PILE HEAD SEALER)**  
CEMENTITIOUS WATERPROOFING  
SLURRY APPLIED TO TOP OF  
CONCRETE PILE CAP TO PROVIDE  
SMOOTH PREPARED SURFACE.

CLIENT  
JUTA UK LTD

PROJECT  
GP® TITANBOND - Standard Details



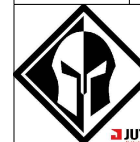
**NOTES**

- Detail is generic to application so should not be used as a guide not a specific installation detail.
- GP®TITANBOND is a TYPE A Waterproofing membrane, in accordance with BS8102:2009, suitable for Grade 1, 2 and 3 Basement constructions.
- GP® TITANBOND is a proprietary gas and VOC resistant DPM, manufactured and certified to adhere to the requirements of BS8485: 2015+A1: 2019 and CIRIA C748: 2014, as a radon, carbon dioxide, methane and VOC barrier.
- Jointing and sealing using tapes is acceptable where anticipated design service life does not exceed 25 years.
- Jointing and sealing by hot air welding is recommended where the anticipated design service life is required to exceed 60 years.
- The use of butyl and bitumen based tapes in environments where VOC and Hydrocarbons are a perceived risk should be avoided. A thermal/welded joint system should be adopted.
- It should be noted that the suitability of the welded joint is defined by the joint integrity, as tested in accordance with CIRIA C735: 2014. This is most commonly tested by air lance integrity testing to ASTM D4437-08: 2013. If the joint passes this test it is deemed acceptable in the verification process.
- In all cases it is recommended the installation of gas barrier geomembranes is completed by a suitably qualified and accredited installer (NVQ L2/TW/CSWIP or equivalent). Juta UK can offer advice as to the suitable/recommended installers.
- The gas protection system installation should be subject to third-party independent verification, in accordance with BS8485: 2015 +A1: 2019 and CIRIA C735: 2014.
- All design decisions made by others that might have an impact on the gas and waterproof design performance should be brought to the attention of the design team and Juta UK Ltd. Final decisions and/or any recommendations should be approved by the design team and Juta UK Ltd.
- Dimensions are not to be scaled from this drawing. All written measurements are to be checked on site by the contractor.
- All rights described in chapter IV of the copyright, design and patents act 1988 have been generally asserted.

DRAWING TITLE  
**JUTA GP® TITANBOND**  
TYPICAL CAPPING/ GROUND BEAM  
PHS + LGB CONTINUITY OVER TOP

DRAWING NUMBER  
JUTA.TB.039

DRAWN BY PD	CHECKED BY PF	SCALE Not to Scale	DATE Dec. 2020
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MELTON GROVE WORKS  
BLACKPOOL ROAD  
LYTHAM  
FY8 5PL

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