

**JUTA PD1700 (PROTECT & DRAIN)**  
 APPLIED EXTERNALLY AS PROTECTION  
 PRIOR TO BACKFILLING - TO BE EXTENDED  
 DOWN TO LAND DRAIN

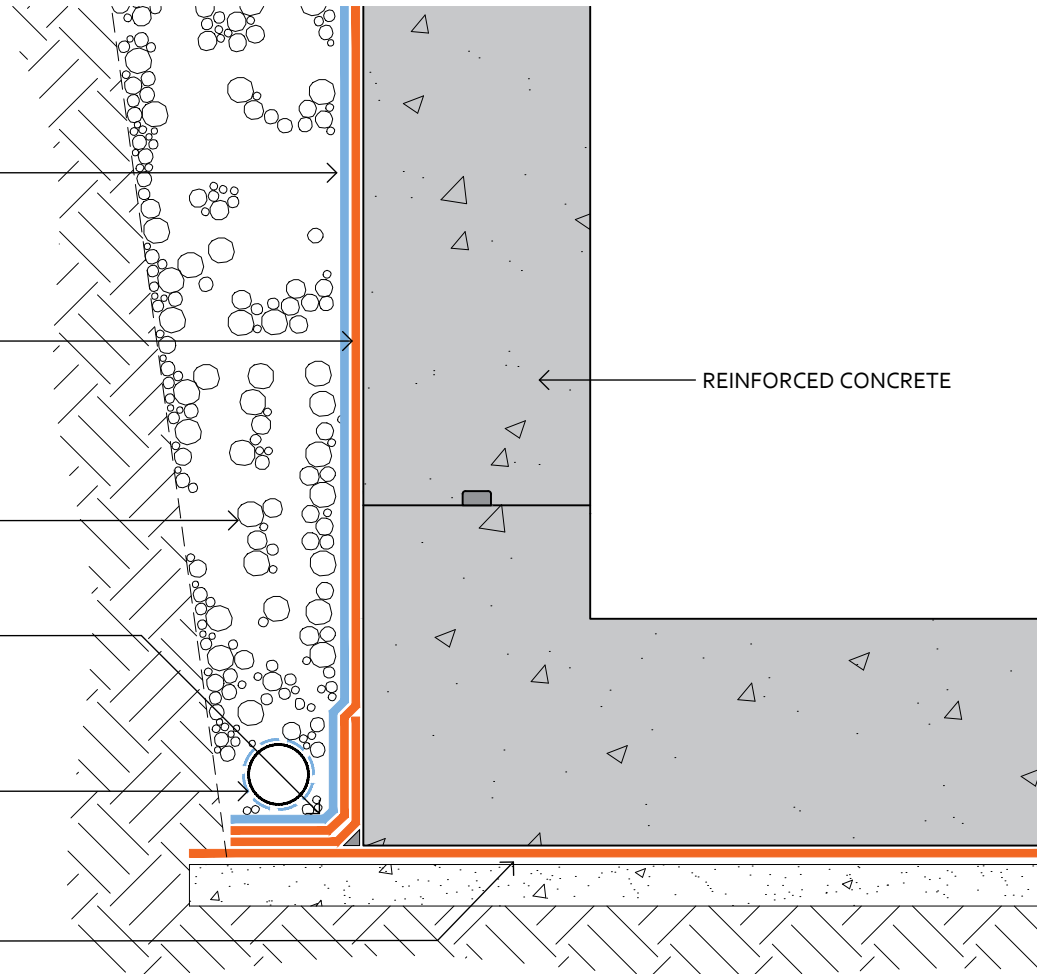
**JUTA GP® TITANTANK**  
 SELF ADHESIVE VOC/ GAS & WATERPROOFING  
 MEMBRANE. APPLIED EXTERNALLY TO WALL.  
 PREPARED WITH 1 COATS OF JUTA GP PRIMER.

GRANULAR FILL DRAINAGE  
 BACKFILL MATERIAL

ALL CORNERS TO BE REINFORCED WITH A  
 MIN. 40mm CEMENT FILLET AND 300mm  
 WIDE REINFORCING STRIP OF JUTA GP SAM

SUGGESTED MAINTAINABLE  
 LAND DRAIN LOCATION AS  
 BS8102:2009 RECOMMENDATIONS

**JUTA GP® TITANTANK**  
 SELF ADHESIVE GAS & WATERPROOFING  
 MEMBRANE. APPLIED TO CONCRETE SCREED



CLIENT  
 JUTA UK LTD

PROJECT  
 JUTA GP® Titantank Typical Details



NOTES

- Detail is generic to application so should be used as a guide not a specific installation detail.
- GP® TITANTANK is a proprietary self adhesive 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.
- GP® TITANFLEX provides radon protection, in accordance with Approved Doc C (UK) and Technical Guidance Document C (Ireland).
- 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/TWI/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® TITANTANK**  
 RC RETAINING WALL/SLAB DETAIL

DRAWING NUMBER  
 JUTA.GP-TT.006

DRAWN BY PD	CHECKED BY PF	SCALE Not to Scale	DATE Sep. 2020
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