



SEAM JOINTS TO BE HOT AIR WELDED BY NVQ L2 QUALIFIED INSTALLATION OPERATIVES

10mm INSULATION BOARD

CAVITY TRAY TAPED INSTALLED BY OTHERS

JUTA GP® PROTECTION FLEECE, OR INSULATION BOARDS

JUTA GP® GAS MEMBRANE SEALED TO CAVITY TRAY

JUTA GP® TITANFLEX CAN BE USED AS THE DPC PROVIDING THERE IS NO LATERAL SHEAR AS PER BS8215: 1991. JUTA GP® TITANTECH DPC TO BE USED IF LATERAL SHEAR IS A DESIGN CONSIDERATION

JUTA GP® TITANFLEX PROPRIETARY GAS MEMBRANE INSTALLED ON PREPARED SAND BLINDING OR DIRECTLY ON VOID VENT BLANKET (SEPARATION LAYER REQUIRED BETWEEN SAND AND FORMATION TO AVOID CLOGGING IF SAND IS USED)

FGL

JUTA GP® GULLEY VENT BOX SET IN FREE DRAINING CONCRETE AT CENTRES SPECIFIC TO VENTING DESIGN

JUTA GP® 25/40MM VOID VENT SYSTEM LAID IN A BLANKET OR STRIPS IN 150MM CLEAN STONE DEPENDENT ON **SITE SPECIFIC VENTING DESIGN**

JUTA GP® VOID VENT T-CONNECTOR

STANDARD PVC-U PIPE

NB. ALL DPC's/MEMBRANES INTERRUPTING MASONRY BED JOINTS ARE REQUIRED TO BE BEDDED ABOVE AND BELOW WITH MORTAR

CLIENT
JUTA UK LTD

PROJECT
Standard Details



- NOTES
- Detail is generic to application so should be used as a guide not a specific installation detail.
 - GP® TITANFLEX 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.
 - 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
GP® TITANFLEX - Ground Bearing Slab - Perimeter Section + Void Vent - Membrane below the slab

DRAWING NUMBER
JUTA.GPT.021

DRAWN BY MS	CHECKED BY PF	SCALE Not to Scale	DATE Dec 2019
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