



NB - ALL DPCs & MEMBRANES INTERRUPTING MASONRY BED JOINTS ARE REQUIRED TO BE BEDDED ABOVE AND BELOW WITH MORTAR

JUTA GP⁴® TAPE
TAPED JOINT OR HEAT WELDED SEAM JOINT

JUTA GP⁴® RADON RESISTANT DPM
LAID ON TOP OF SUITABLY PREPARED SLAB

STANDARD CAVITY TRAY SEALED TO GAS MEMBRANE USING JUTA GP⁴® TAPE.

JUTA GP⁴® RADON DPC
JUTA GP⁴ CAN BE USED AS THE DPC PROVIDING THERE IS NO LATERAL SHEAR AS PER BS8215:1991. IF LATERAL SHEAR IS A DESIGN CONSIDERATION THEN JUTA GP DPC TO BE USED

JUTA GP⁴® GULLY VENT BOX
SET IN FREE DRAINING CONCRETE. CENTRES DEFINED BY SITE SPECIFIC DESIGN. SEE TYPICAL DETAIL TD-JUTA.GP-VV.001/002 FOR FURTHER INFORMATION.

JUTA GP⁴® VOID VENT
40/25mm SYSTEM LAID IN A BLANKET OR STRIPS IN 150mm CLEAN STONE DEPENDANT ON SITE SPECIFIC VENTING DESIGN

STANDARD 110mm PVC-U PIPE & FITTINGS

JUTA GP⁴® VOID VENT T-CONNECTOR
SEE TYPICAL DETAIL TD-JUTA.GP-VV.003 FOR FURTHER INFORMATION.

CLIENT JUTA UK LTD

PROJECT GP⁴ Standard Details



- NOTES
- Detail is generic to application so should be used as a guide not a specific installation detail.
 - GP⁴ is a proprietary radon resistant DPM, manufactured and certified to adhere to the requirements of BRE 211: 2015 as a radon barrier.
 - GP⁴ 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 GP⁴® RADON MEMBRANE**
GROUND BEARING SLAB, PERIMETER DETAIL:
VOID VENT BELOW + MEMBRANE ABOVE SLAB

DRAWING NUMBER
JUTA.GP₄.021

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