

POUR 2 - SLAB  
POURED OVER

POUR 1 -  
FOUNDATION/  
CAPPING BEAM

LGB & PHS TO EXTEND DOWN  
OUTER FACE OF FOUNDATION

LIQUID GB APPLIED TO BASE  
OF ANY PROJECTING REBAR

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

**JUTA GP<sub>1</sub>® GAS RESISTANT DPM**  
LAID ON MINIMUM. 40mm SAND or  
CONCRETE BLINDING


**JUTA GP<sup>®</sup> SEALANT**  
USED TO SECURE JUTA GP<sub>1</sub> TO  
PILE CAPS

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

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

CLIENT	JUTA UK LTD
PROJECT	GP <sup>®</sup> 1 Standard Details
	

- NOTES
- Detail is generic to application so should be used as a guide not a specific installation detail.
  - GP<sup>®</sup> 1 is a proprietary gas resistant DPM, manufactured and certified to adhere to the requirements of BS8485: 2015 +A1: 2019 as a radon, carbon dioxide and methane barrier.
  - GP<sup>®</sup> 1 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			
<b>JUTA GP<sub>1</sub>® GAS MEMBRANE</b> LIQUID APPLIED MEMBRANE LINK OVER FOUNDATION/ CAPPING BEAM DETAIL			
DRAWING NUMBER			
JUTA.GP1.043			
DRAWN BY	CHECKED BY	SCALE	DATE
PD	PF	Not to Scale	Mar. 2020
		MELTON GROVE WORKS BLACKPOOL ROAD LYTHAM FY8 5PL Tel: 01772 754177	