



GP® TITANFLEX®

GP® TITANFLEX® is a loose laid multi-layer, low polyethylene membrane. GP® TITANFLEX® is specifically designed, manufactured and tested and certified to perform as a methane, carbon dioxide, radon, ground gas, VOC air & moisture and hydrocarbon protection system. GP® TITANFLEX® is used as a loose laid membrane for the gas/VOC protection of ground level structures.

Features and benefits:

- Can be a fully welded system.
- Exceptional chemical resistance.
- Long term durability - performance is guaranteed for the lifetime of the building.
- Conform with the latest codes of practice as published by BRE, CIRIA and BSI.
- High resistance to ground gases.

Part of the GP® TITANTECH® family of membranes, the GP® TITANFLEX® is a high performance, hydrocarbon barrier, manufactured from a unique HDPE resin. The primary membrane has excellent chemical resistance and is ideal for use on sites affected by hydrocarbon and VOC contamination. It will also effectively prevent the ingress of a number of other harmful gases, including radon, methane and carbon dioxide.

Accessory Products

- GP® TITAN Tape
- GP® TITANTECH® DPC
- GP® TITAN Overtape
- 300TT

Physical Properties

| | |
|------------------|----------------------|
| Thickness | 0.5 mm |
| Width | 2 m |
| Length | 50 m |
| Weight | 500 g/m ² |

Gas Permeability

| | |
|-----------------------|-----------------------|
| Methane | 0.13 |
| Carbon Dioxide | 3.01 |
| Radon | 1 x 10 ⁻¹² |

Compliance and Certification

CE MARK - EN13967:2012
NHBC Standards Compliant
B58485:2015 +A1 2019 Accordant
CIRIA C748 Accordant
BBA Certified - Certificate No. 18/5581 P1

Specification Clauses

Uniclass 2015 - PR_25_57_65_90 Plastic Sheets
CAWS - J40/145 Loose laid weldable polyethylene gas retardant damp proofing
J40/140 loose laid plastics or rubber sheet gas retardant damp proofing
D21/350 Gas retardant membrane

Certifications



Please Scan



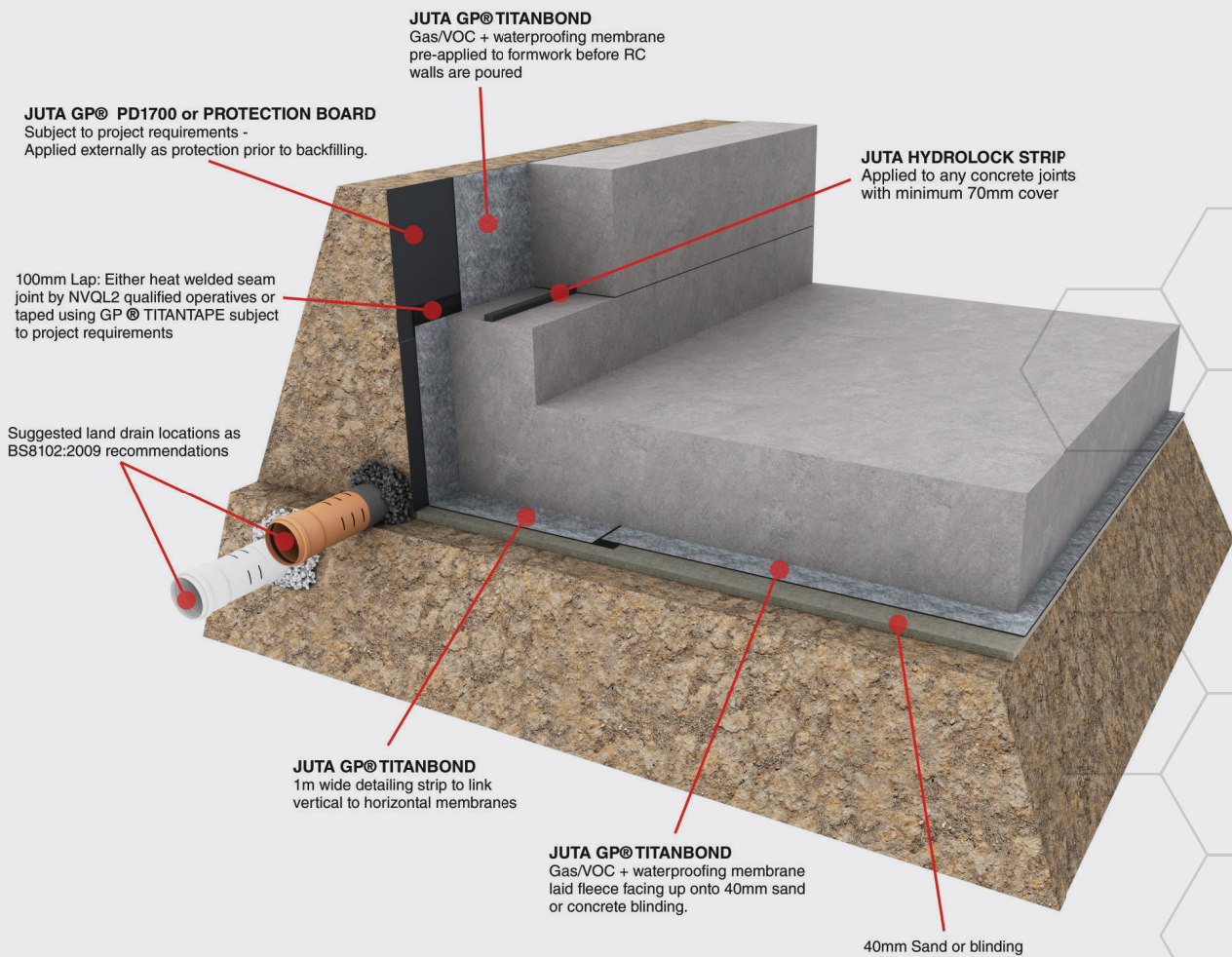
Rev 2024



GP® TITANFLEX® Vapour Permeability 100% Concentration

| | | | |
|-----------------|---------------------------------|--------------------------|-----------------------------------|
| Benzene | < 3.6 mg /m ² / day | Vinyl Chloride | < 0.05 mg /m ² / day |
| Toulene | < 13.8 mg /m ² / day | Trichlorothene (TCE) | < 54.7 mg /m ² / day |
| Ethyl Benzene | < 2.7 mg /m ² / day | tetrachlorothene (PCE) | < 26.2 mg /m ² / day |
| Xylenes (M,P,O) | < 7.7 mg /m ² / day | Napthalene | < 0.0006 mg /m ² / day |
| Hexane | < 0.6 mg /m ² / day | CIS-1,2-Dichloroethylene | < 1.1 mg /m ² / day |

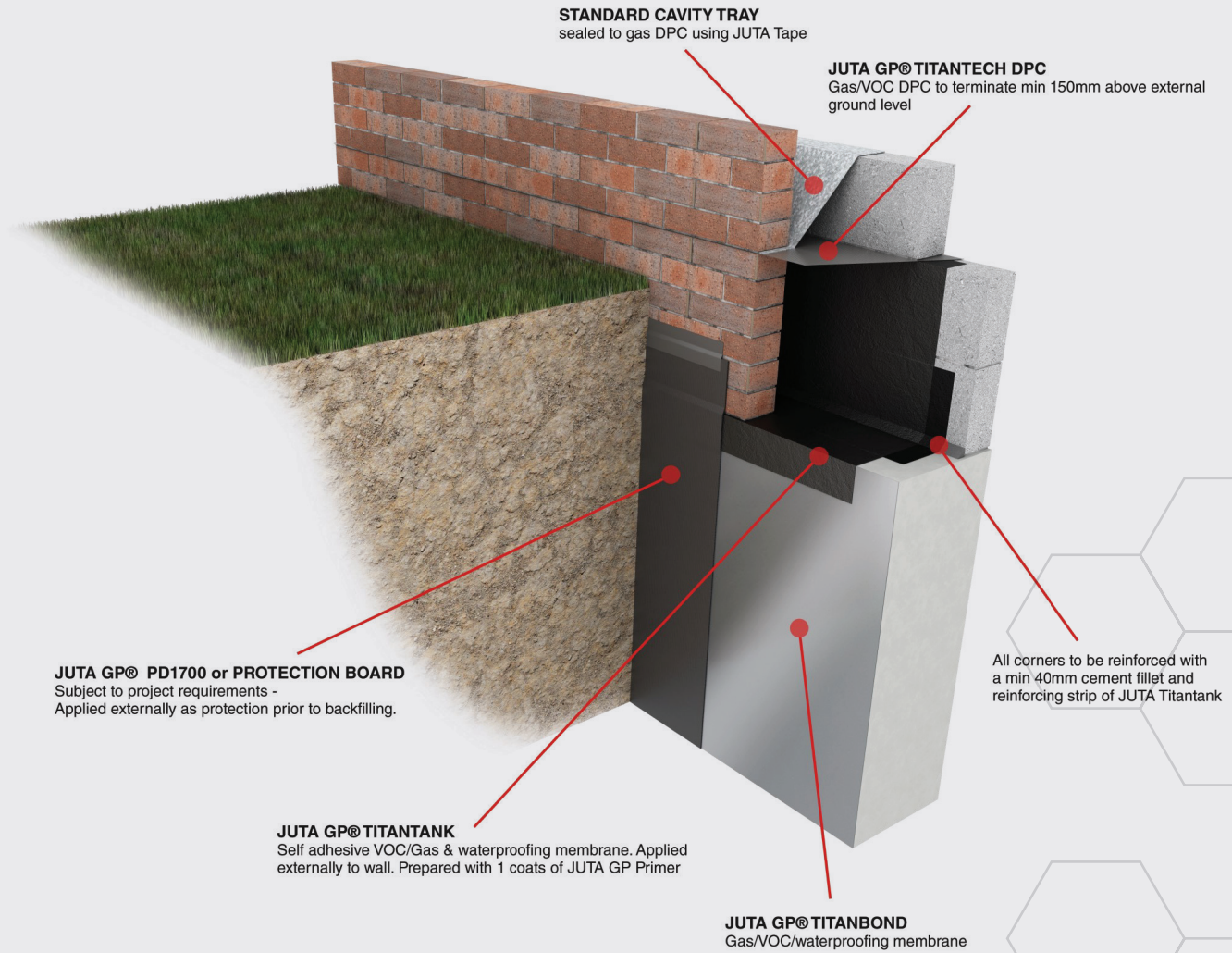
Standard Detail - Slab / Wall Kicker Joint



Various typical details available on request. Please contact **technical@juta.co.uk** for further information



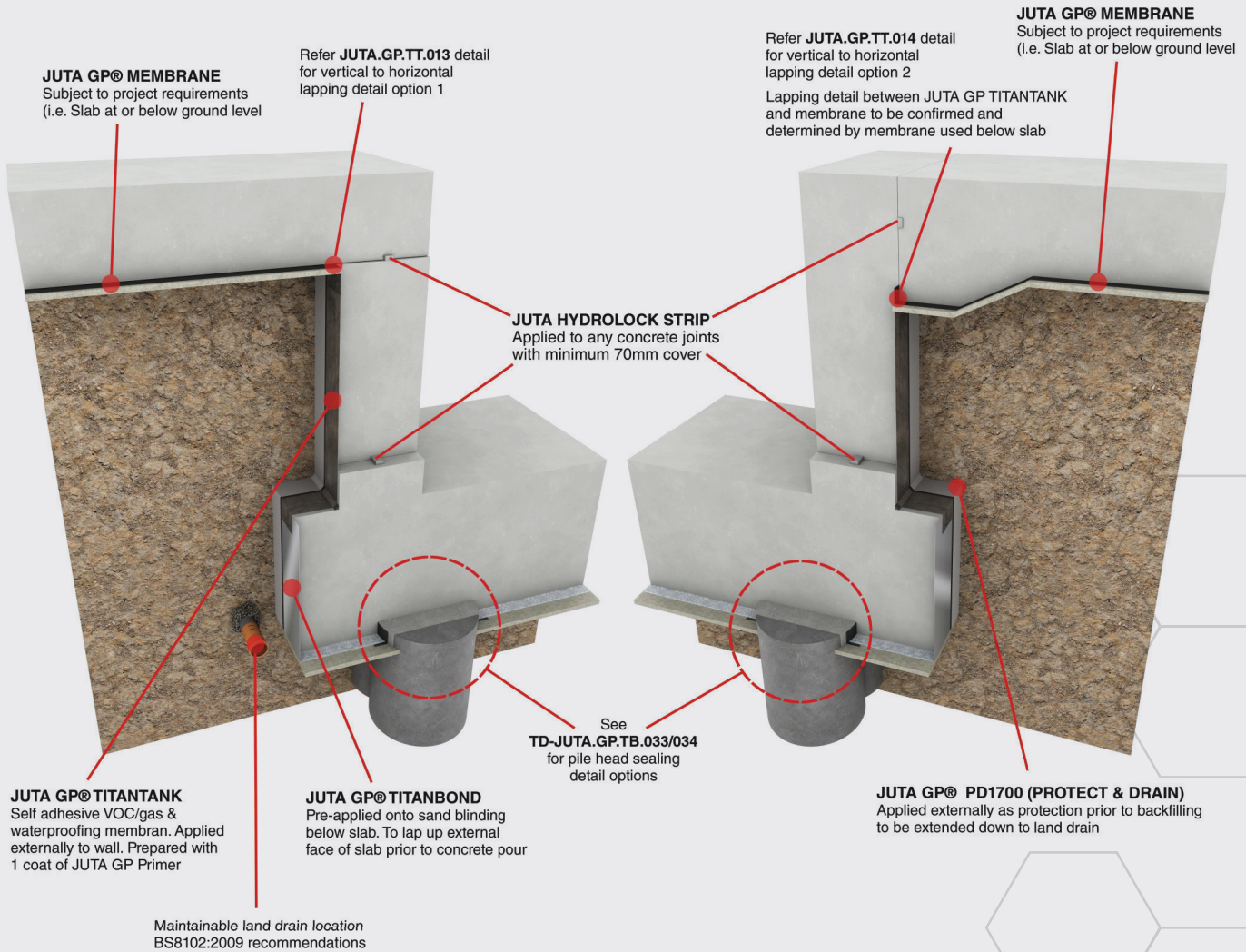
Standard Detail - Head of Retaining Wall



Various typical details available on request. Please contact technical@juta.co.uk for further information



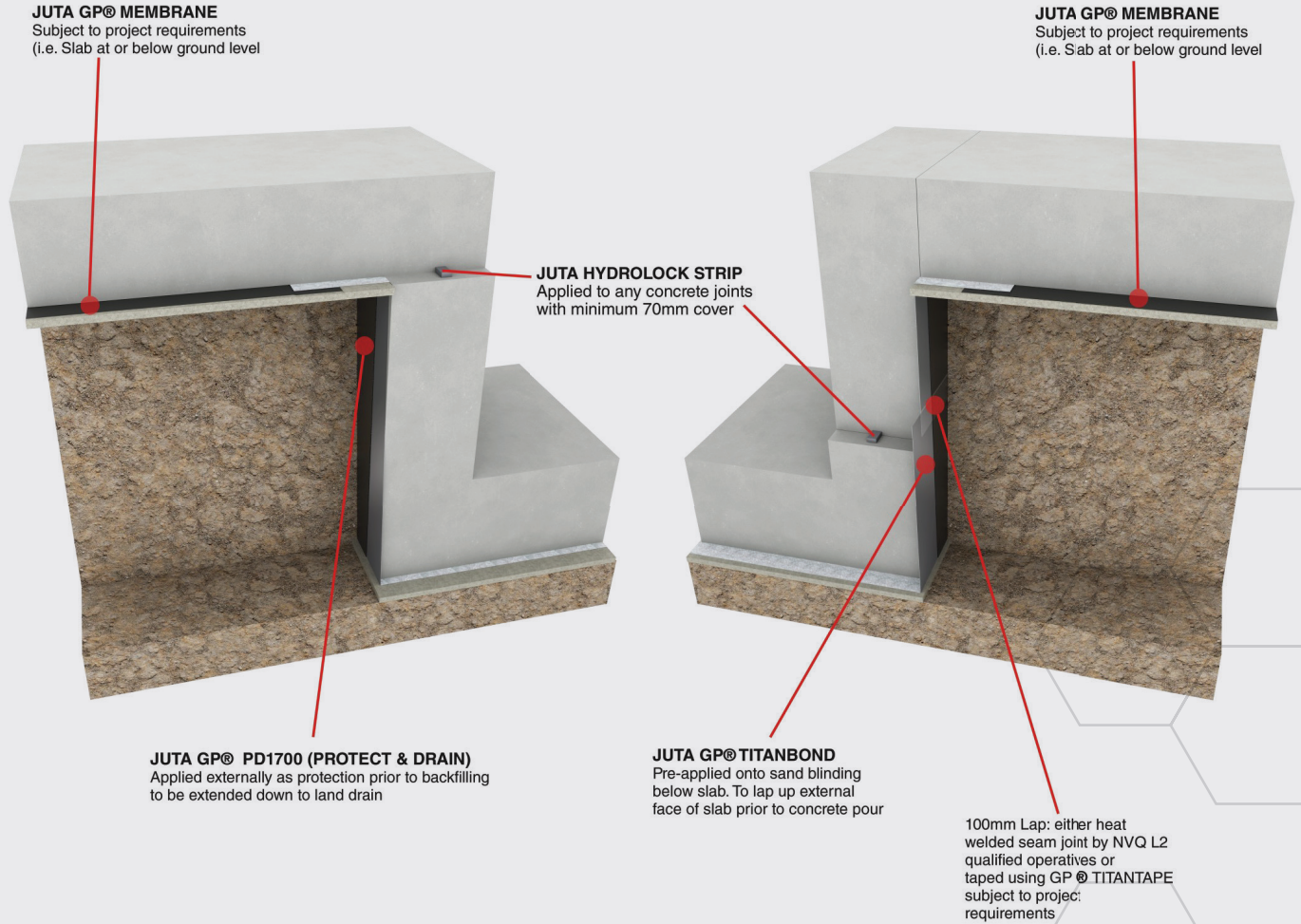
Standard Detail - Typical Piled Pit



Various typical details available on
request. Please contact
technicalejuta.co.uk for further
information



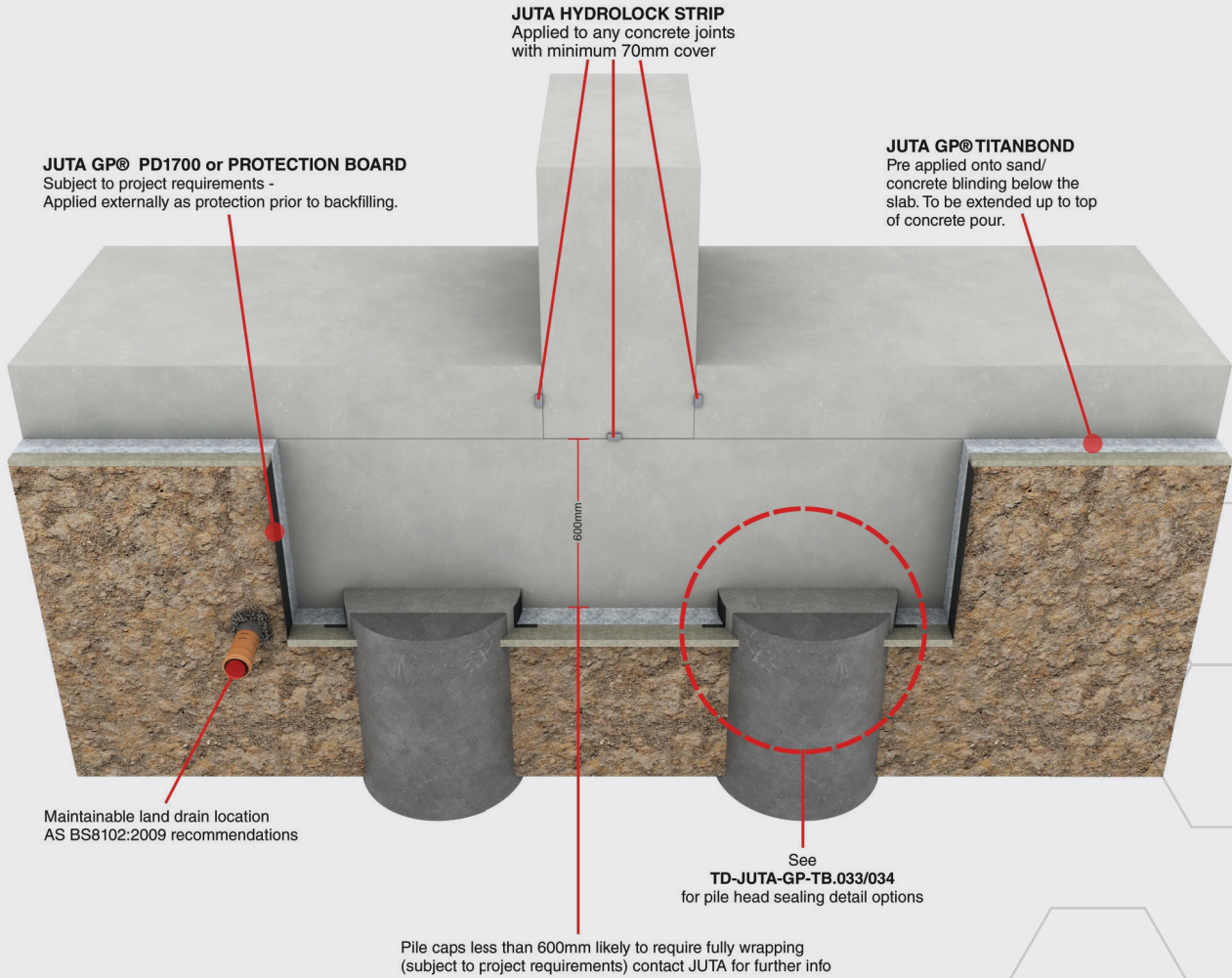
Standard Detail - Typical RC Pit



Various typical details available on request. Please contact **technical@juta.co.uk** for further information



Standard Detail - Typical Capping Beam



Various typical details available on request. Please contact **technical@juta.co.uk** for further information