GROUND GAS PROTECTION
GP®1 SAM
PRODUCT DATA SHEET

JUTA | TITANTECH®

GP®1 SAM, the gas protection self adhesive membrane, is a bituminous gas proof and water proof sheet, composed of self-adhesive SBS polymer modified bitumen incorporating GP® 1 with an upper surface finish of black reinforced LDPE, and a lower surface finish of siliconized release film.

Features and benefits:

- High quality reinforced membrane.
- Low permeability to hydrocarbon and VOC vapours, carbon dioxide, methane and radon.
- Complies with latest codes of practice as published by the BRE and CIRIA, and BS 8485.

Can be used on any site in accordance with BS8485:2015 and NHBC requirements where carbon dioxide, methane or radon is present up to and including CIRIA 665 SITUATION 6. The barrier is sufficiently resistant to the ingress of harmful gasses into a building. On more heavily contaminated sites a passive or active venting system may be required to dilute the gasses down to acceptable levels and specific design advice should be sought.

Accessory Products

- GP®1
- GP® DPC
- 300TT
- GP® Tape
- GP® Lap Tape

Physical Properties

Thickness	0.6 mm
Width	2 m
Length	50 m
Weight	370 g/m^2

Gas Permeability

Methane	< 0.09
Carbon Dioxide	< 0.09
Radon	8.0 x 10^{-15}

Compliance and Certification

CE MARK – EN13967:2015
NHBC Standards Compliant
BS8485:2015 + A1 2019 Accordant
BBA Certified – Certificate No. 20/5728 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

BBA
Please Scan
UK NI
CE
UK CA

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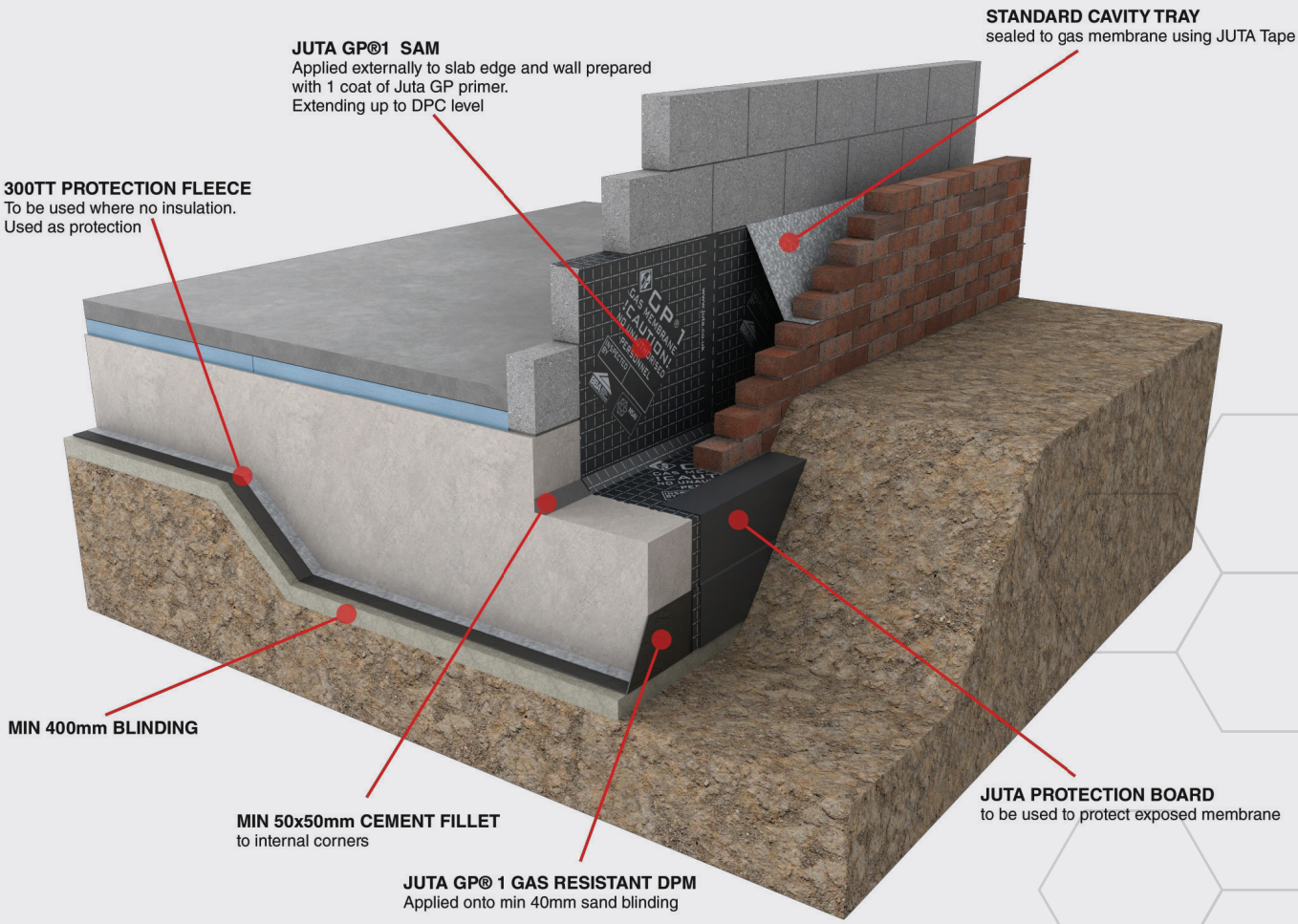
GP®1 SAM

Standard Detail - Ground Bearing Raft Slab

NB- All DPC's & membranes interrupting masonry bed joints are required to be bedded above and below with mortar.



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

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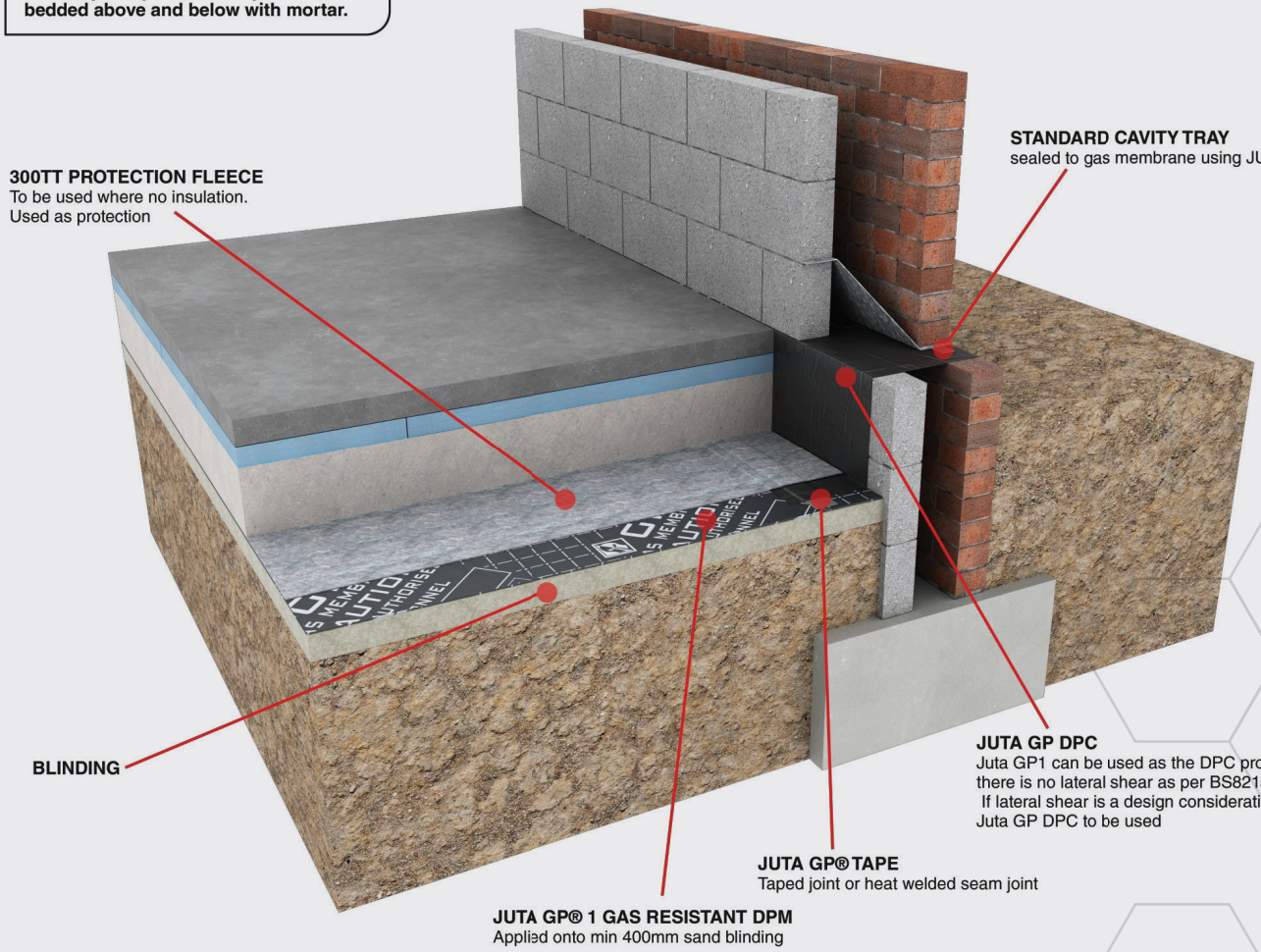

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Standard Detail - Ground Block & Beam Flooring

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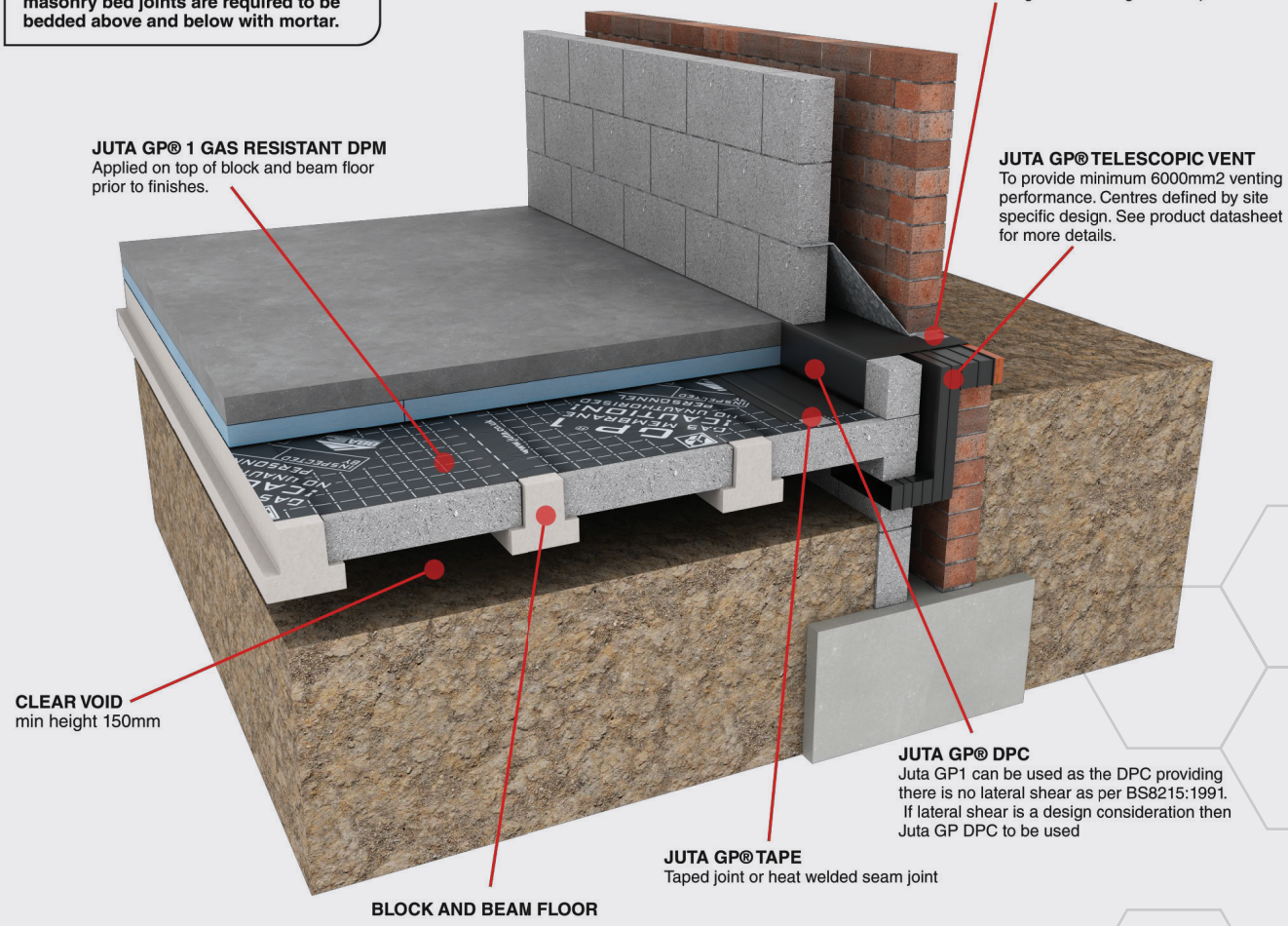

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