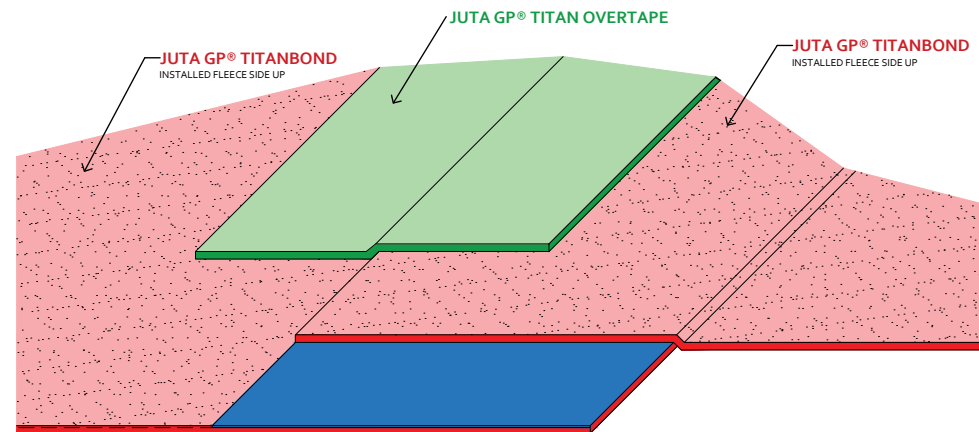


100mm

**TITANBOND TAPED JOINT**

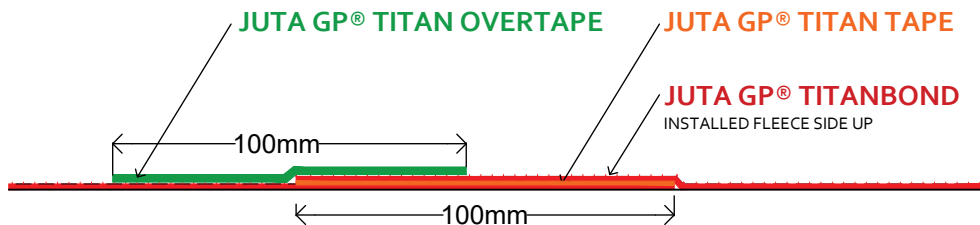
To be used where design service life does not exceed 25 years.



100mm

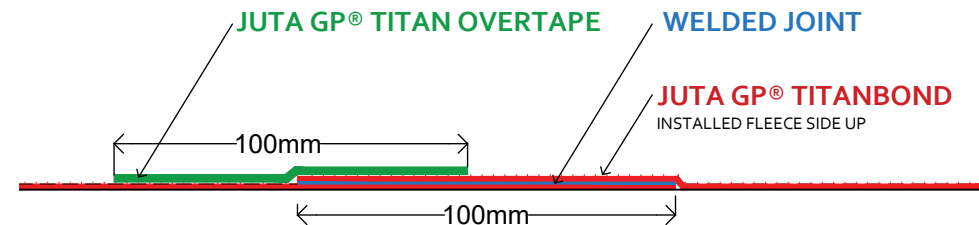
**TITANBOND WELDED JOINT**

To be used where design service life is required to exceed 60 years.



**TITANBOND TAPED JOINT**

To be used where design service life does not exceed 25 years.



**TITANBOND WELDED JOINT**

To be used where design service life is required to exceed 60 years.

CLIENT JUTA UK LTD

PROJECT JUTA GP Titanbond Standard Details



**NOTES**

**Joining and Sealing using welding (where design service life is required to exceed 60 years):**  
 Before welding work is carried out trials must be completed to determine the operating window for the welding equipment and materials. It is noted that ambient air temperature, power supply and the condition of welding equipment can affect the working window. Welding window for JUTA GP<sub>1</sub> and JUTA GP<sub>2</sub> gas barriers is 180-240 oC at a suggested rate of 1.5mm/min on low air flow. JUTA UK recommends that any heat welding is carried out by a Construction Skills NVQ Level 2 qualified installer (or equivalent). The membranes should be overlapped by at least 100mm and care should be taken to ensure a seal between the joint. The printed 100mm overlap line should be used as a guide to ensure suitable jointing. A minimum welded overlap joint of 50mm wide should be achieved - it should be noted that the suitability of the welded joint is defined by the joint integrity, as tested in accordance with C735 (most commonly air lance - ASTM D4437-08:2013), if a welded joint passes integrity testing, it would be deemed acceptable.

**Joining and Sealing using Tapes (where design service life does not exceed 25 years):**  
 A 100mm overlap print line is provided on products to assist with overlapping, jointing and sealing. For taped joints, JUTA GP Tape (50mm wide) can be utilised. The JUTA GP Tape is double sided for ease of use. To joint using tapes, ensure the first panel of Barrier is laid, and the surface is clean, dry, and free from dust. Begin by peeling one side of the protective coating from the tape, applying the tape along the outside edge of the 100mm guide line; such that the tape is between 100mm and 150mm from the Barrier roll edge. Unroll the second layer of Barrier ensuring a 150mm overlap, slowly removing the upper layer of protective film from the Tape, and pressing firmly on the taped joint with a silicone roller to remove trapped air. (Note - taped joints have the highest failure rate when tested to ASTM D4437-08:2013 - therefore it is imperative that pressure sealing with silicone roller is implemented).  
**Optional:** Finish the joint by application of appropriate sealing tape over the joint to provide a smooth finish.

- Detail is generic to application so should be used as a guide not a specific installation detail.
- 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 GP® TITANBOND**  
TYPICAL TITANBOND LAPPING DETAILS

DRAWING NUMBER JUTA.TB.036

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