

Juta UK
Melton Grove Works
Church Road
Lytham St Annes
Lancashire (UK)
FY8 5PL

info@juta.co.uk
www.juta.co.uk
01772 754177

**Gas and Hydrocarbon
Barrier Protection
Systems.**

JUTA

**The
GP® TITANTECH
Range**

For the needs of today and the demands of tomorrow.

Ground Gas Protection

GP® TITANTECH Ground Gas & Hydrocarbon Membranes are high performance, multi-functional membranes that provide protection from ground gases including VOCs, Carbon Dioxide, Methane, Radon, Hydrocarbons and protects the structure from water ingress.

GP® TITANTECH membranes are currently the only single system membranes that provides gas protection (as outlined in B58485:2015 and C665) and grade 3 waterproofing protection (in accordance with B58102:2009 as a TYPE A waterproofing membrane). In addition to this, GP® TITANTECH membranes are fully tested to comply with C682, C716 and C748 for a suite of VOC and Hydrocarbon contaminants. With the ability to provide a 'cover all' solution for Waterproofing the Structure, and protecting inhabitants from hazardous ground gases such as Radon, Methane, Carbon Dioxide, VOC's and Hydrocarbons, GP® TITANTECH are **futureproofed membranes, available today.**

Many commonly used TYPE A waterproofing membranes simply do not comply with B58485:2015 as 'sufficiently impervious' ground gas barriers. The majority would require a bespoke quantifiable site specific risk assessment for each proposed site use, to justify a reduction in performance requirements. The manufacturing technology exists to produce better, more suitable barriers for use as waterproofing membranes - the question is why are we as an industry continuing to use outdated materials?

GP® TITANTECH membranes are extensively tested and proven to withstand the most aggressive environments and provide confidence to the end user the product is suitable and fit for purpose for the needs of today, and futureproofed for the demands of tomorrow. Providing a robust, durable and flexible membrane, GP® TITANTECH membranes are the optimal gas and waterproofing barrier. When compared to the vast majority of existing TYPE A waterproofing membranes, **GP® TITANTECH membranes are on average, TWO THOUSAND times better performing as a ground gas barrier**, as well as providing superior durability and longevity over the existing practices and proposals.

PROJECT DESIGN

JUTA's Technical team are members of the industry standards groups for both ground gas and waterproofing, and have an active role in developing new standards. Our team of experts will provide a tailored design package to suit your bespoke project needs; whether it is just advise and training, or a full detailed design taking the project from inception to completion. We're here to work with you to achieve the desired outcome, and ensure your structure is **futureproofed.**

CONTACT

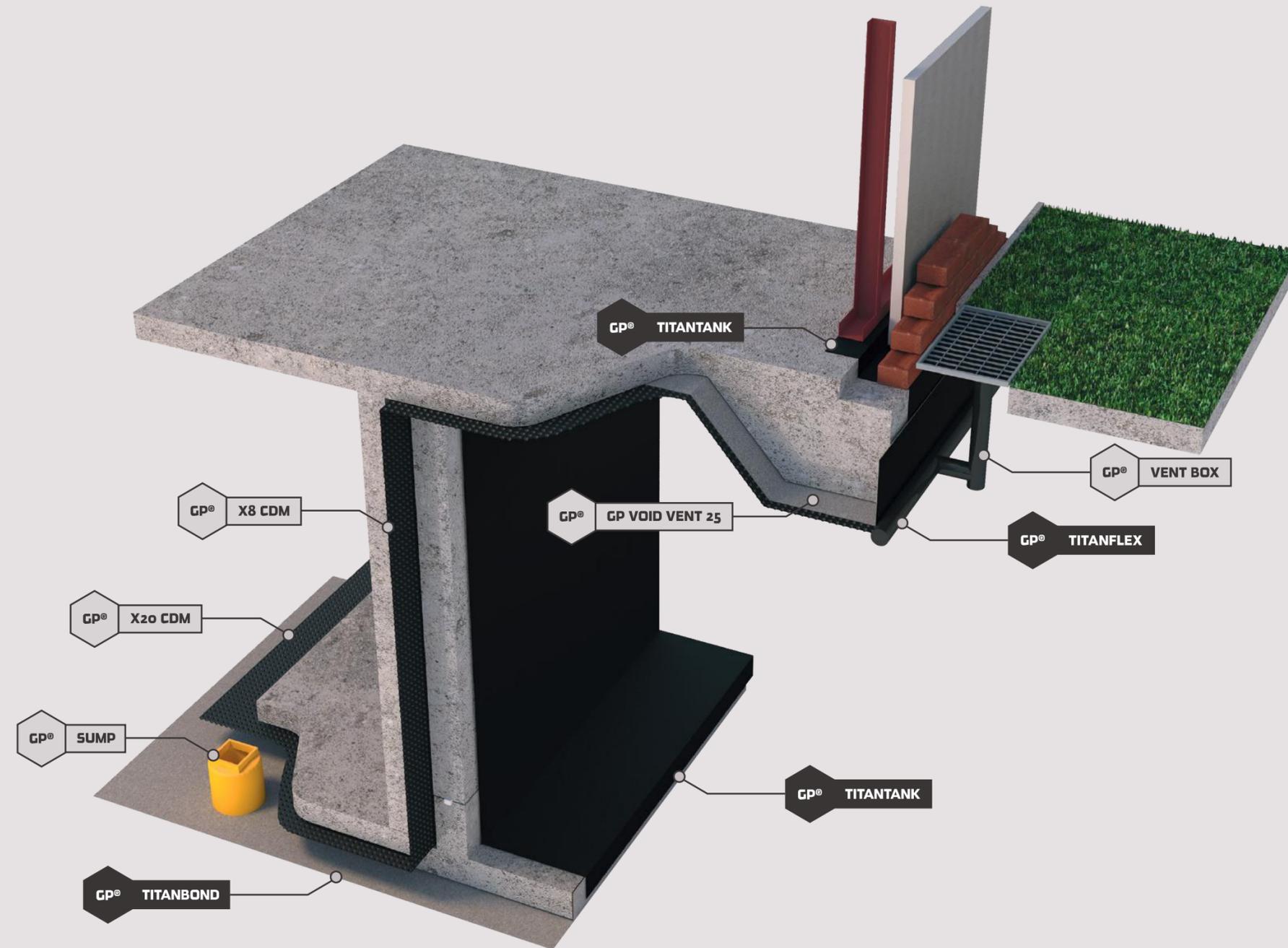
If you feel first class service, premium products direct from source, and bespoke solutions are right for you; then feel free to contact the team at JUTA for a more in depth discussion. We look forward to building strong, longstanding and trustworthy relationships with you, for today, and tomorrow.

SALES

As a manufacturer of multiple geosynthetic components and products, we are very much solution focused, and not asset driven. The best solution is always the one which is the most practical and cost effective. With this ethos, our approach is always to listen to the customer and offer the correct approach. We are not interested on advising the incorrect approach to maximise sales volumes, unlike many of the suppliers operating in the market today.

Contact us today for more information.

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Waterproofing

GP® TITANBOND - A pre-applied fully bonded waterproofing membrane incorporating the GP® TITANFLEX membrane and a heavy duty virgin polypropylene geotextile. The geotextile is laminated to the membrane to provide a dual function; protecting the membrane from damage, and providing an integrated 'bond' to poured concrete, ensuring a fully bonded waterproofing barrier which has exceptionally high resistance to ground gas and VOCs. GP® TITANBOND is used for the Gas/Waterproofing/Tanking of underground structures where harmful ground gases are anticipated.

GP® TITANTANK - Self Adhesive version of the GP® TITANFLEX; composed of self-adhesive with an upper surface finish of GP® TITANFLEX, and a lower surface finish or siliconized polypropylene release film. GP® TITANTANK is used for the Gas/Waterproofing/Tanking of underground structures where harmful ground gases are anticipated, as a post-applied fully bonded membrane.

Benefits

- ⊕ Recognised as an accepted system for ground gas and water protection by NHBC.
- ⊕ Full surface contact between the membrane and concrete.
- ⊕ Quick and easy installation.
- ⊕ Can be a fully welded system.
- ⊕ VOC & Hydrocarbon barrier - The first (and currently only) membrane available to fully achieve the requirements of C748 for chemical testing as a bonded type A.
- ⊕ Exceptional Chemical Resistance.
- ⊕ High resistance to ground gasses.
- ⊕ Long Term Durability (performance guaranteed for the lifetime of the building).
- ⊕ Compatible with all building materials.
- ⊕ Manufactured to meet the most up to date British Standards and guidance.
- ⊕ Waterproofing Barrier (TYPE A - B58102:2009).
- ⊕ Gas Barrier (Radon, Methane, Carbon Dioxide - B58485:2015).
- ⊕ Hydrocarbon (Liquid and Vapour phase) and VOC barrier (C748).