



# Complete jobs faster by selecting formwork and waterproofing at the same time

Our Dualproof  
C Membrane

The risks to projects from groundwater ingress are on the rise, making it more important than ever to choose the right waterproofing solutions. By specifying the solution simultaneously with the formwork, the entire process is simplified and made more efficient.

Groundwater flooding does not get the same headlines as a river bursting its banks, but it has become a major problem in the UK, particularly as climate change delivers more extreme weather events that can affect the water table. The British Geological Survey (BGS) estimates that up to 290,000 properties in England are at risk of groundwater flooding, while insurance claims for the problem exceed £50 million a year in England and Wales.

Groundwater levels can vary over a construction site. According to the Construction Insurance Risk Engineers Group (CIREG), flooding of all kinds is also one of the leading causes of physical loss or damage. This makes structural waterproofing a critical part of concrete construction and why we have teamed up with structural waterproofing manufacturer BPA GmbH and specialist SWS. Through the combination of our formwork systems and BPA waterproofing products with SWS's design and certified installation expertise, we provide a single, coordinated solution that enhances efficiency from the ground up.

## **Simplified design and installation**

With design, detailing, and installation all explored at an early stage – ideally as soon as the soil report is issued – contractors can maximise every opportunity for value-engineering, ensuring the entire process is carried out more cost effectively, faster and to a higher standard, with the need for complexity greatly reduced. This structured approach allows for any 'buildability' or 'phaseability' issues to be addressed from the engineering plans or architect's drawings long before the build begins, rather than discovering potential issues when concrete is about to be poured.

## **Reduced admin for the contractor**

As projects become increasingly complex, contractors appreciate simplified contracts and straightforward processes that enable them to complete the job without the need for endless discussions and consultations. Another benefit of the SWS and PERI UK partnership is the reduction in

administrative burden and risk. Managing multiple specialist subcontractors adds complexity to contracts, scheduling and accountability. The PERI UK and SWS partnership, however, offers a single point of contact responsible for both the supply of the formwork and the complete, warranted installation of the waterproofing system. This gives contractors total peace of mind.

## **Smarter sequencing and buildability on site**

This streamlined approach translates directly to a more efficient and predictable build on site. By improving the sequencing of tasks, we can save valuable time and importantly, cost. For example, a pre-applied membrane such as BPA's Dualproof, which we supply, is designed to be installed directly within the formwork before the concrete is poured. This is an incredibly effective tool to ensure waterproofing at the foundation level. To such an extent, Type A barrier protection technologies like this are now an integral part of



Our CEMflex steel plate waterstop

the concrete construction process. Providing wall formwork together with specialised membranes designed to protect below-ground reinforced concrete offers a comprehensive solution for our customers. It becomes part of the same process, rather than a separate, subsequent step, accelerating the programme and ensuring higher quality installation.

Working with our consultant partner Structural Waterproofing Services (SWS), we are able to greatly simplify what is often seen as a complicated process, conveniently enabling both formwork and waterproofing to be specified together at the outset of a project. With design, detailing and installation all explored at an early stage – ideally as soon as the soil report is issued – contractors can maximise every opportunity for value

engineering, ensuring the entire process is carried out more cost effectively, faster and to a higher standard, with the need for rework greatly reduced. This more structured approach allows for any 'buildability' or 'phaseability' issues to be addressed from the engineering plans or architect's drawings, long before the build begins, rather than 10 minutes before the concrete is due to be poured.

As projects become increasingly complex, contractors appreciate simplified contracts and straightforward processes that enable them to complete the job without the need for endless discussions and consultations. Simple-to-use technologies such as BPA's Dualproof range of membranes more than satisfy this, being quick to lay and forming a permanent mechanical bond with freshly poured concrete.

### **An easier way to build**

For architects and engineers, navigating the complex waterproofing market can be a daunting task. The pressure to choose correctly could even lead to over-engineering the solutions, inadvertently adding avoidable costs and complexity to a build that is already under pressure to keep to schedule and budget. That's why it's essential to work with a trusted partner; one whose in-depth experience of formwork and structural waterproofing solutions alike can provide efficient insights into the exact requirements of your own projects – and with the expertise from the combined SWS and PERI UK team, you get invaluable access to a one-stop shop offering everything you need to deliver a time-saving, cost-effective and, above all, proven below-ground foundational waterproofing system.