



THE BLACK HOUSE – MOY, COUNTY TYRONE

MAIN CONTRACTOR: SELF MANAGED

PROJECT: SELF BUILD- MOY, COUNTY TYRONE

PRODUCT SUPPLIED: KOSTER WATERPROOFING- DEUXAN 2C SYSTEM

OVERVIEW

Mark and Emma contacted SDG in 2021 requesting design advice on their self-designed house, which would be set into a bank of land. We see more and more designs opt to make better use of land by incorporating a retaining side or sides around the structure. This of course comes with its challenges, such as ensuring water tightness to protect the structure and its inhabitants from water ingress.

Each waterproofing situation is different, and requires a bespoke approach to waterproofing design, based on ground conditions, use of structure classification, and individual project requirements. With this particular project complete security of external system was required, along with a well-defined application process.

We proposed the use of Koster's class leading Deuxan 2C system, which is a cold applied, BBA approved, crack bridging liquid waterproofing system. Deuxan 2C offers full resistance against pressurised ground water, and works to bridge cracks in concrete up to 2mm. Deuxan 2C is specifically suited to complex details such as pipe penetrations, inner and outer corners, and wall-floor junctions.

The proposal was carried out as per specification, by both client and sub-contractor with both commenting regarding the ease of use, and robustness of Koster Deuxan 2C. In all, Koster Deuxan 2C offers complete watertightness due to its unique composition and reinforced two coat application.

SDG supplied a full suite of ancillary products, such as integral waterstops, Dywidag Formwork accessories, and detailing products such as Koster NB1 and Repair Mortar Plus. The complete structure was protected using Delta Geo Drain Quattro with its innovative slip membrane designed to aid ground settlement on top of providing excellent mechanical protection and of course drainage.

