



DAWSON

INNOVATIVE PILING EQUIPMENT

HPH2400 Job Example – High Modulus Sheet Pile Wall



Dean and Dyball called on Dawson to resolve a problem they had driving high modulus section piles. They were driving 14m long high modulus piles comprising a double pile of Frodingham 4N section welded to one flange of a 610 x 350mm universal beam. They pitched and drove the piles as far as they could using a vibrating hammer. A BSP DE50C diesel hammer was brought in to finish the drive, but despite having the right energy requirement and despite having a wide anvil to cover the top of the pile it could not drive them without destroying the top of the pile. This is where Dawson with their HPH2400 double acting hydraulic hammer solved the problem. With the use of a spreader plate, but still using standard inserts suitable for the majority of sheet pile and H-pile sections, they drove the piles to level without distorting the pile top. The slim compact design of the HPH 2400 together with its variable high-energy output, proved to be the only hammer available to drive these high modulus piles, saving Dean and Dyball considerable time and expense.