

UK Distributors SMR Projects Ltd



**BASEMENTS &
SUB-STRUCTURES**

PRINCES STREET, DONCASTER, SOUTH YORKSHIRE

BASEMENT

Waterproofing to the 2400m² basement car park and plant room of this new office development in central Doncaster, South Yorkshire.



THE CHALLENGE

To provide effective waterproofing system to the basement area utilising a proven product capable of achieving a Grade 3 (BS 8102:2009) level of protection.

THE XYPEX SOLUTION

Xypex Admix was a late specification change over the proposed waterproofing. It was selected due to its ability to create a Grade 3 (BS 8102:2009) completely dry environment without limiting the aspect ratio, shape, pour size or total volume of concrete that can be placed.

Xypex Admix was used in the 2400m² basement slab that was poured up to steel sheet piles, whilst a Xypex joint detail was specifically designed to allow for any shrinkage of the concrete slab away from the steel sheet piles.

- | | |
|------------------------------|--|
| Xypex Admix C Series | - Basement slab, lift pits |
| Xypex Concentrate | - Day joints between concrete pours |
| Hydroswell Bentsotrip | - Day joints between concrete pours and between the concrete and the steel sheet piles |

THE RESULTS

As a result of using Xypex, the contractor was able to pour concrete without the usual limitations of admixes, which reduced the number of joints required. This lowered the risk of water penetration and project costs, as well as recouping time lost within other areas of the build, ensuring the construction programme was kept on track.

PROJECT TYPE:

New build

PROJECT LOCATION:

Doncaster,
Yorkshire

PRODUCTS SPECIFIED:

Admix
Concentrate
Hydroswell Bentsotrip



UK DISTRIBUTORS SMR PROJECTS LTD

Xypex House, Beaumont Close, Banbury, Oxfordshire, OX16 1TG t. **01295 279 747** e. info@smrxypex.co.uk www.smrxypex.co.uk

Xypex is a registered trademark of Xypex Chemical Corporation. SMR Projects Ltd is registered in England and Wales. Registration No. 4276384.