

CASE STUDY

PRAGMA STRUCTURED WALL PIPE SYSTEM

Background

The Pragma structured wall pipe system for sewerage applications is manufactured by Pipelife Polska S.A., of Poland

The system is available in sizes OD DN160 to 630. It comprises pipes and fittings with a smooth inner surface and a profiled outside wall, made from polypropylene copolymer. Push fit joints with an elastomeric sealing ring are used to connect the components of the system. The Pragma system includes a range of fittings and adaptors for making connections with solid wall PVC sewerage pipes.

Scope of assessment

The Assessment covered the performance and properties of the Pragma system and were assessed particularly with respect to:

1. The requirements of UK Water Industry Specification WIS 4-35-01 and the draft European specification PrEN 13476-1 for structured-wall piping systems.
2. Technical audits of the product specification, quality control, design methods and installation method.



Programme

- A factory audit was undertaken of production facilities and quality control.
- A technical audit of type testing was carried out and selected tests were witnessed.
- Installation procedures were assessed against UK practice.

Results

The assessment found that the Pragma structured wall pipe system complied with the requirements of the Assessment Schedule, PT/239/1204-AS and a WRc Approved certificate PT/239/1204 was awarded to Pipelife Polska S.A., for the Pragma system in December 2004.