



## Key Facts

**Project:**  
Doxford Park  
Retirement Homes

**Product:**  
Wavin Acoustic Soil  
(AS) System

**Contractor:**  
Gentoo Construction  
& Lorne Stewart

## Creating a quieter care home for residents

### At a glance

At Doxford Park residential village – a £9 million care home development in Sunderland – sound proofing between apartments was a key requirement, which led to the specification of the Wavin Acoustic Soil System, an internal drainage system which combines low noise, durability and ease of installation.

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*We were very happy with the expertise Wavin brought to the build and that they were able to meet our specific needs. This is a flagship project for the Group and this level of detail was needed in order to construct a facility that had some pretty stringent acoustic requirements in order to provide an excellent living environment for those residents moving in over the coming months.*

**- Allan Thompson, Managing Director of Gentoo**



The Wavin AS System is available in 110mm and 160mm and is complemented by a full range of push-fit fittings. This durable system offers the flexibility of an extensive choice, excellent quality and reliability.

### The challenge

Including a state-of-the-art BREEAM Excellent extra care facility, as well as 40 extra care apartments and 14 bungalows, the new Doxford Park retirement village was designed to deliver the very best levels of care. In an environment where noise can impact sleep and cause health problems, it was imperative that the homes were built with low noise pipework.



### Our approach

In order to meet the client brief of an acoustic drainage system within the apartments, mechanical and electrical consultant DTA Consulting Engineers looked at a range of options. Wavin's AS System was specified as the most efficient and cost effective low noise system.

Made of a mineral reinforced polypropylene called Astolan®, which has a high specific weight and a special molecular structure, the Wavin AS System is able to absorb airborne sound as well as structure borne sound, which is caused by waste water hitting the pipe wall.



### The benefits

This durable system offers the flexibility of an extensive choice, excellent quality and reliability. Compared to cast iron, Wavin AS is quick and easy to install, because of its socket connection and is an ideal solution for multiple storey buildings requiring noise insulation.

For more information on this case study or if you have any questions please get in touch

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