

The very first twinwall surface drainage system in the UK with Highways Authority Product Approval Scheme (HAPAS) status, Ridgidrain has a high strength to weight ratio and flexibility to resist high traffic loads. Available in sizes 100-900mm it has a low friction inner wall for improved hydraulics and comes in 6m lengths (3m lengths as standard for 750-900mm) to significantly reduce the number of joints and risk of leakage. Made from up to 100% recycled, high strength HDPE using a structured wall design to produce a robust, yet flexible pipe, Ridgidrain has a high resistance to the most common chemicals. It offers excellent performance, meaning you get all the benefits of sustainability, strength and lower weight without compromising on long term effectiveness.



## Applications

Ridgidrain is a versatile non-pressure surface water and subsurface water drainage system that can be used as a carrier drain or used for attenuation or infiltration. Ridgidrain is used in many applications including:

- Residential
- Commercial
- Highways
- Rail
- Retail
- Leisure
- Education
- Airports
- Industrial
- Agricultural

## Performance

Ridgidrain is manufactured to SN6 with a predicted design life in excess of 50 years. The system is resistant to most common chemicals and is ideal for stormwater applications. Where applications permit for the use of lower stiffness classes, Ridgidrain in sizes 750mm and 900mm can be manufactured to SN4.

## Technical Support

Detailed guidance and assistance is available. For further information, please contact our Technical Team on +44 (0) 1509 615 100 or email [civils@polypipe.com](mailto:civils@polypipe.com) or visit [www.polypipe.com/civils-technical-hub](http://www.polypipe.com/civils-technical-hub)

## Key benefits

- Full range of SN6 pipes and fittings from 100mm to 900mm
- BBA and BBA HAPAS approved
- Network Rail Parts and Drawing Systems (PADS) approved\*
- Structured wall design for high ring stiffness and strength
- Smooth bore giving excellent hydraulic properties
- Longer lengths so fewer joints for improved resilience to leakage
- 100-600mm Ridgidrain comes in 6m lengths as standard, sizes 750-900mm comes in 3m lengths as standard
- Light in weight for reduced transport /installation costs and improved Health & Safety benefits
- Unperforated, half perforated and full perforated options available
- Ridgitrack is available for higher loading applications
- Up to 94% lighter than concrete means fewer deliveries to site
- Reduces CO<sub>2</sub> consumed in production, transportation and on-site handling
- Incorporates recycled plastic, manufactured from up to 100% recycled material
- Resistant to ground movement and differential settlement
- Integrally socketed in diameters 400mm to 900mm for ease of installation



(Network Rail Parts and Drawing Systems (PADS) Approved)  
Certificate Number: PA05/05460

\* For sizes 100-600mm.  
Pending for sizes 750-900mm.

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**RIDGIDRAIN PLAIN ENDED PIPES**

NOMINAL SIZE MM	CODE	ID MM	OD MM	LENGTH M	OPTION	WEIGHT KGM <sup>-1</sup>	PACK QTY
100	RD100X6PE *	100	118	6	U	0.75	85
100	RD100X6PEHP *	100	118	6	HP	0.75	85
100	RD100X6PEP *	100	118	6	P	0.75	85
150	RD150X6PE/1	150	178	6	U	1.2	36
150	RD150X6PEHP/1	150	178	6	HP	1.2	36
150	RD150X6PEP/1	150	178	6	P	1.2	36
225	RD225X6PE/1	225	267	6	U	2.45	14
225	RD225X6PEHP/1	225	267	6	HP	2.45	14
225	RD225X6PEP/1	225	267	6	P	2.45	14
300	RD300X6PE/1	300	355	6	U	4.18	9
300	RD300X6PEHP/1	300	355	6	HP	4.18	9
300	RD300X6PEP/1	300	355	6	P	4.18	9
375	RD375X6PE/1	375	435	6	U	7.5	5
375	RD375X6PEHP/1	375	435	6	HP	7.5	5
375	RD375X6PEP/1	375	435	6	P	7.5	5
400	RD400X6PE/1▲	400	458	6	U	8.13	5
400	RD400X6PEHP/1▲	400	458	6	HP	8.13	5
400	RD400X6PEP/1▲	400	458	6	P	8.13	5
450	RD450X6PE/1▲	450	523	6	U	9.3	4
450	RD450X6PEHP/1▲	450	523	6	HP	9.3	4
450	RD450X6PEP/1▲	450	523	6	P	9.3	4
500	RD500X6PE/1▲	500	576	6	U	12.25	4
500	RD500X6PEHP/1▲	500	576	6	HP	12.25	4
500	RD500X6PEP/1▲	500	576	6	P	12.25	4
600	RD600X6PE/1▲	600	700	6	U	17.5	2
600	RD600X6PEHP/1▲	600	700	6	HP	17.5	2
600	RD600X6PEP/1▲	600	700	6	P	17.5	2

**RIDGIDRAIN INTEGRALLY SOCKETED PIPES**

NOMINAL SIZE MM	CODE	ID MM	OD MM	LENGTH M	OPTION	WEIGHT KGM <sup>-1</sup>	PACK QTY
400	RD400X6/1**	400	458	6	U	8.0	5
400	RD400X6HP/1**▲	400	458	6	HP	8.0	5
400	RD400X6P/1**▲	400	458	6	P	8.0	5
450	RD450X6/1**	450	523	6	U	9.0	4
450	RD450X6HP/1**	450	523	6	HP	9.0	4
450	RD450X6P/1**	450	523	6	P	9.0	4
500	RD500X6/1**	500	576	6	U	12.0	4
500	RD500X6HP/1**	500	576	6	HP	12.0	4
500	RD500X6P/1**	500	576	6	P	12.0	4
600	RD600X6/1**	600	700	6	U	14.0	2
600	RD600X6HP/1**	600	700	6	HP	14.0	2
600	RD600X6P/1**	600	700	6	P	14.0	2
750	RD7506X3/1**	750	852	3	U	30	2
750	RD7506X3HP/1**	750	852	3	HP	30	2
750	RD7506X3P/1**	750	852	3	P	30	2
900	RD9006X3/1**	900	1022	3	U	40	2
900	RD9006X3HP/1**	900	1022	3	HP	40	2
900	RD9006X3P/1**	900	1022	3	P	40	2

Sizes 1050 – 3000mm are available as Ridgistorm-XL. \* Black inner wall. ▲ Made to order and subject to lead times. U = Unperforated, HP = Half perforated, P = Fully perforated. Weights are nominal. \*\* Integral sockets are manufactured from non recycled material. Sizes 750 – 900mm are also available in SN4 (amend 6X part of code to 4X) and lengths of 1.5m and 6m. 750mm SN4 pipe = 20 KGM-1, 900mm SN4 pipe = 29 KGM-1