



## Magnacor

The MAGNACOR sewer system is designed for constructing non-pressure sanitary, rainwater, combined and drainage sewer systems.

The versatile and durable light-structure used for PP system pipes and fittings for external sewer systems, with a smooth internal wall and a corrugated external wall. The use of polypropylene and the special design of the wall make the system easy to install. It is characterised by high mechanical strength and increased chemical and thermal resistance, while its service life is estimated at a minimum of 100 years.

<b>System name</b>	Magnacor	<b>Ring stiffness</b>	SN >= 8, 10, 12 kN/m <sup>2</sup>
<b>Manufacturing site</b>	Sieniawa Żarska 69, 68-213 Lipinki Łużyckie, Poland	<b>Ring flexibility</b>	30% as per ISO PN-EN ISO 13968:2008, no scratches, cracks and separations
<b>Intended use</b>	road drainage, rainwater, sanitary and combined sewer systems, culverts under roads and railway tracks, wire and cable ducts	<b>Chemical resistance</b>	High chemical resistance to aggressive sewage and environment as per ISO/TR 10358 and ISO/TR 7620, pH 2-12
<b>Area of use</b>	UD, soil classes 1-6, laying depth: 0.8-10 m, SLW60 traffic load, proven sealing: 0.5 bar.	<b>Maximum sewer temperature</b>	90°C – constant flow, 95°C – instantaneous flow (up to 15 min.)
<b>Material</b>	polypropylene (PP)	<b>Type of connections</b>	socket connections
<b>Colour</b>	pipe: black on the outside and light grey on the inside fittings: black	<b>Combination with other systems</b>	with the DN/OD KG PVC-U, KG2000 PP-MD smooth-walled pipe systems, DN/OD base sockets of SC chambers – MC-KGI connector required
<b>Pipe structure</b>	structured, two-layer, inner smooth layer, outer corrugated layer	<b>standards, national technical specifications</b>	PN-EN 13476-3, IBDiM - KOT -2018/0198
<b>Diameters:</b>	DN/OD 160 mm; DN/ID 200 mm, DN/ID 250 mm, DN/ID 300 mm, DN/ID 400 mm, DN/ID 500 mm, DN/ID 600 mm, DN/ID 800 mm	<b>Usability in mining areas</b>	Positive opinion of the Central Mining Institute (GIG) up to class 4 mining damage
<b>Lengths</b>	L = 3, 6 m		

