

Skolan Safe

PREMIUM PP thick-walled soundproof indoor sewage system

A high-quality system of sound-proof pipes and fittings made of mineral fibre reinforced polypropylene (PP). The material ensures that the Skolan Safe system is extremely durable and resistant to ambient conditions. The innovative design and material properties used for the system guarantee long, reliable and safe use.



System name	Skolan Safe
Production site	Sieniawa Żarska 69, 68-213 Lipinki Łużyckie, Poland
Material	Polypropylene (PP), Mineral additives
Colour	Light grey, RAL 7035
Pipe structure	Solid
Ring stiffness	SN ≥ 4 kN/m ²
Pipe diameter	DN50 mm DN70 mm DN110 mm DN125 mm DN160 mm DN200 mm
Wall thickness	DN50 e = 4.0 mm DN75 e = 4.5 mm DN110 e = 5.3 mm DN125 e = 5.3 mm DN160 e = 5.3 mm DN200 e = 6.2 mm
Area of use	Area BD (PN-EN 1451:2018) in internal plumbing systems, on external walls, in underground systems not extending beyond the building envelope or embedded in concrete.
Maximum sewage temperature	90°C at constant flow; 95°C at instantaneous flow (up to 15 min)
Low temperature impact strength	-10°C minimum (can be installed in winter)

Seal	Single-lip SBR, factory-fitted in the pipe and fitting sockets
Connection sealing	0.5 bar maximum
Combination with other systems	Diameter: DN50, DN75, DN125 - via adapter fittings. DN110, DN160, DN200 - fully compatible.
Chemical resistance	Carriage and drainage of pH 2-12 sewage
Fire resistance class	B2 (DIN 4102)
Density	1.6 g/cm ³
Impact strength	TIR <10
Documents	PZH-NIH Hygiene Certificate, National Technical Assessment ITB-KOT-2019/0782 Ed.1 National Declaration of Performance (NDP) No. 001/2 and NPD No. 002/2
Acoustic characteristics (DN110)	
Standard steel clamping rings with elastomer liners	8 dB (0.5 l/s); 12 dB (1 l/s); 16 dB (2 l/s); 21 dB (4 l/s)
BISMAT 1000 clamps	3 dB (0.5 l/s); 7 dB (1 l/s); 11 dB (2 l/s); 15 dB (4 l/s)

