

WHO ARE WE?

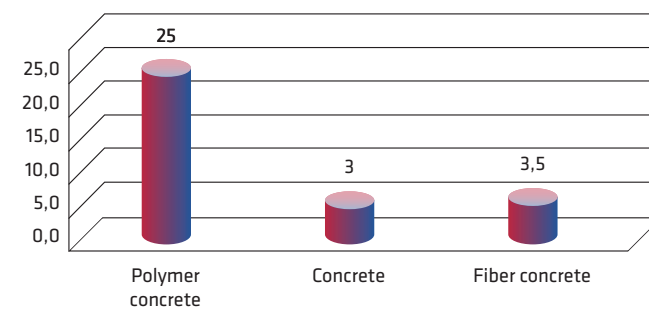
The Systemy i Technologie Sp. z o.o. (SYTEC) company has been active on the Polish market since 1991, as part of the ANCOR SYTEC GROUP with its headquarters in Polkowice (Lower Silesia District). SYTEC specialises in the manufacturing of polymer concrete prefabrications. The potential of the many years of experience of the engineering team enables the company to accomplish large and unusual tasks in the development and manufacturing of polymer concrete prefabrications. We implement our own designs, cooperate with design offices, constantly implement new and unique products and strive for a constant improvement of the quality of our products and technologies. The entire product range is manufactured in Poland, making order completion very fast. We are an undisputed frontrunner in the manufacturing of bridge cornices; we were the first in Poland to develop and manufacture such solutions. Our products are the ultimate result of the efforts of our technologists, designers and engineers

Polymer concrete

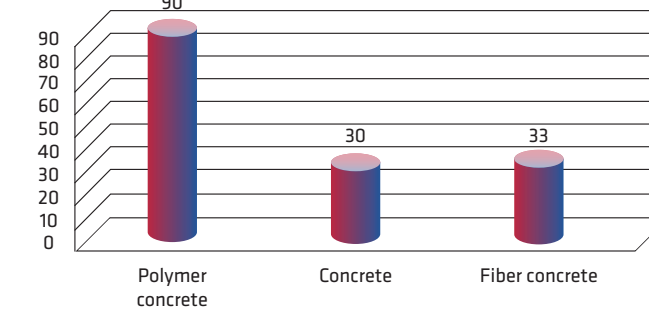
Polymer concrete is a structural material, like ordinary concrete, in which the aggregate has been replaced by silica sand and where synthetic resins, hardened by the addition of curing agents, have been used instead of cement. One of its important properties is high mechanical and chemical resistance.



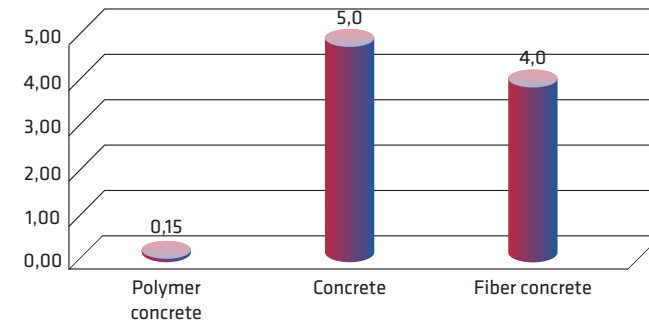
Flexural strength [MPa]



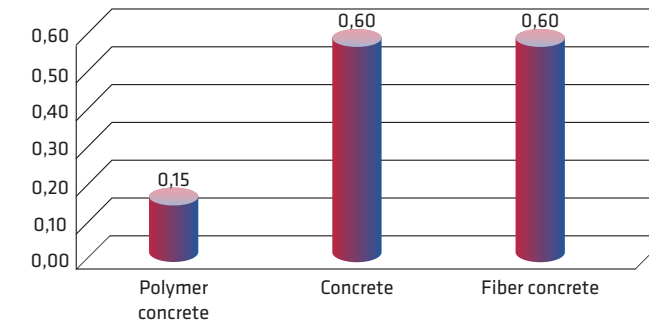
Compressive strength [MPa]



Water absorption [%]



Abrasion value [cm]



i This folder is of a purely advertising nature and the presented technical solutions are subject to change.

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SYTEC TRAM

SYTEC TRAM

POLYMER CONCRETE DRAINAGE SYSTEM FOR TRACKAGE

SYTEC TRAM linear drains comply with the PN-EN 1433: 2005 + A1: 2007 standard and can be used for load classes up to F900.

SYTEC TRAM is a polymer concrete linear draine for track areas.

The system collects rainwater from the rails and from the road surface along the track.

The system has been dimensioned for track gauges of 1435 mm and 1000 mm.

SYTEC TRAM is a modern, modular solution consisting of an inter-rail and inter-track module.

The channel is equipped with a cast iron grate, fixed with a latch, providing the entire construction with additional rigidity and making the city tram tracks accessible for buses running over the channels.

- 1 drain cap
- 2 CE15 channel with bottom drain of 0.5 m or 1 m in length
- 3 drain manifold with outflow pipe
- 4 rubber connector, mounted under the rail
- 5 drain collector
- 6 CE15T channel of 0.5 LM or 1.0 LM in length
- 7 CE15 channel of 0.5 LM or 1.0 LM in length
- 8 cast iron grate, 0.5 LM in length

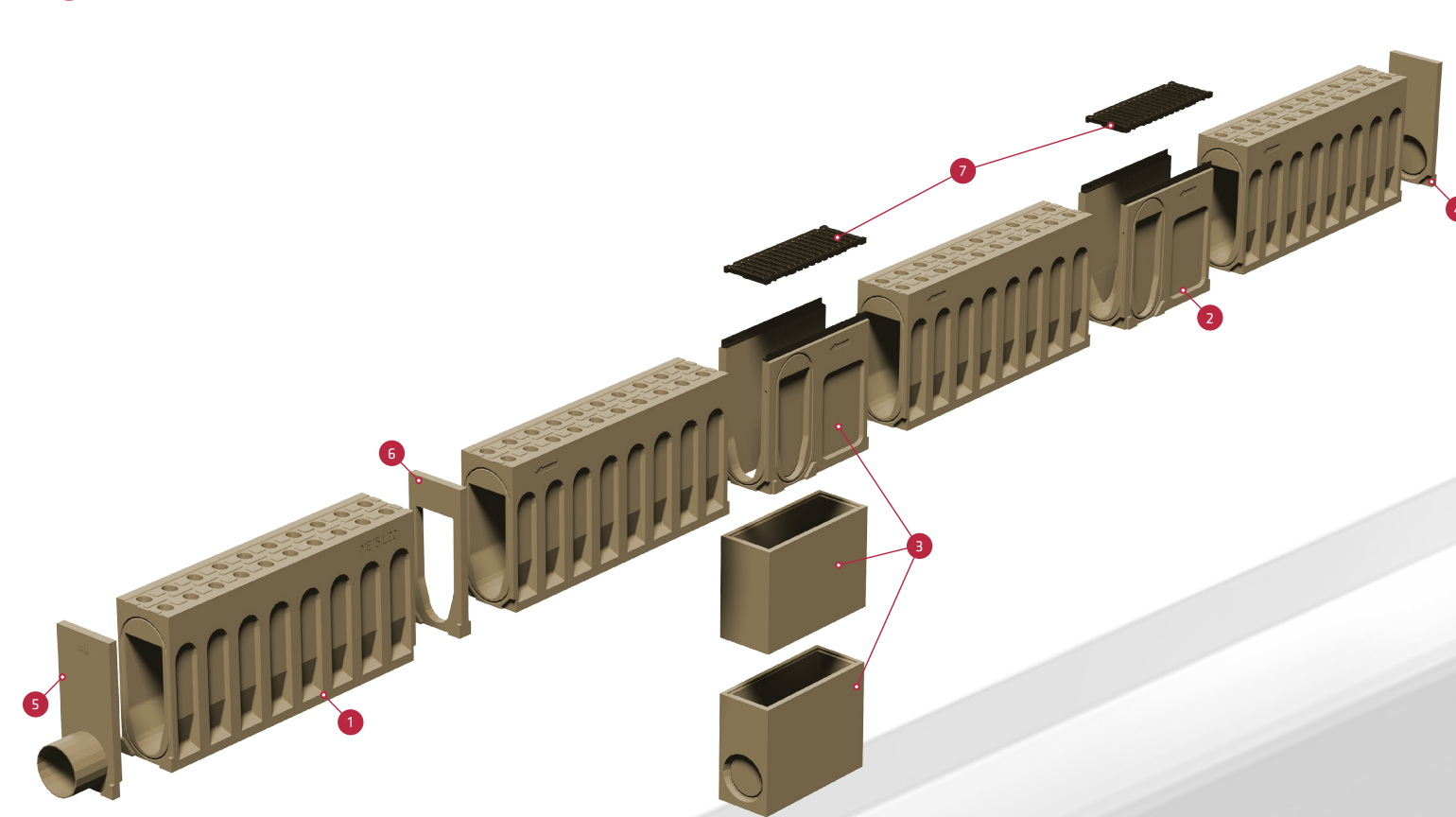


SYTEC MONOBLOCK

The MONOBLOCK ME15 polymer concrete system is manufactured in accordance with the PE-EN 1433:2005+A1:2007 harmonised standard. Drainage channels for vehicular and pedestrian areas. Classification, construction requirements, testing, marking and conformity assessment.

The MONOBLOCK ME15 linear drainage system, characterised by a very wide range of use, is dedicated to the construction of highways, carriageways and local roads, logistics and transshipment hubs, industrial areas, airports and harbours. Due to their monolithic construction, channels made of polymer concrete are perfect for built-in applications across and along the carriageway. The cast iron grates are used only for inspection components and drainage wells. The channels are available with an inner width of 15 cm and in 3 standard heights of 38 cm, 43 cm and 48 cm. The MONOBLOCK ME15 system in load classes from A15 to E600 DOES NOT REQUIRE any concrete apron - thus, the drainage cost is significantly reduced. In the load class F900, the channels are to be covered in accordance with the installation plan.

- 1 monolithic channel 1 LM
- 2 inspection channel 0.5 LM
- 3 drainage chamber
- 4 full cap
- 5 drain cap with outflow
- 6 connector
- 7 cast iron grate 0.5 LM



SYTEC PODR

POLYMER CONCRETE PREFABRICATIONS FOR RAILWAY CONSTRUCTION - DRAINAGE SYSTEM FOR DITCH BOTTOMS

The drainage prefabrications for ditch bottoms are made of polymer concrete.

Due to the use of polymer concrete, PODR prefabricated elements are very lightweight, which shortens the minimum required assembly time. The perfect smoothness of the PODR bottom facilitates the quick evacuation of rainwater to drains and results in a high self-cleaning coefficient of the ditch bottoms. Due to the very high frost resistance of polymer concrete prefabrications, many years of use are assured, without any damage to the surface.

