## Installation of PolyMax Drive series plastic channels with a hydraulic cross-section LN100-300 into an asphalt concrete pavement Expansion/crack control joints <u>Grating</u> 2.1 or 2.2 Asphalt pavement top layer Asphalt pavement course Bedding layer PU sealant 40x10 Trench drain 🕥 Bitumen-polymer tape 50x10 Base Course h=20-30mm Concrete encasement PU sealant 50x10 Vapour seal foil © Sand-and-cement mix h=100mm Compacted bedding layer © Recommended parameters of the Concrete encasement Load class Parameter *C250* D400 E600 Concrete encasement depth (A), mm 150 200 250 Concrete encasement width (C), mm 150 200 200 Compressive strength concrete class C20/25 C20/25 C25/30 Notes

- 1. Parameters of bedding layer, concrete encasements as well as necessity of reinforcement must be selected according to geological conditions of the site.
- 2. If the line length of the trench drains line is more than 10m, expansion joints of the concrete encasement should be designed.
- 3. For compensation of temperature influence and deformation fluctuations of the adjoining pavement, it is recommended to arrange, at a distance of 250–500mm from the edge of the trench drain, longitudinal temperature /expansion joints.
- 4. Installation diagram is non-regulatory. Check updates on the Standartpark website.

					Asphalt pavement trench drain installation		
Designe Checker				20.11.19	Plastic trench drain PolyMax Drive series with hydraulic cross section DN100-300	16	
					Typical installation scheme of the rain	n water collection	n system
					PolyMax Drive DN100-300 A	A <i>sphalt</i>	PD16-201119
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