



Wallbarn - Technical Datasheet

HDPE Protecto-Drain Drainage Channel



Product : HDPE Drainage Channel measuring 1 metre in length with hot-dip coated steel grating and end covers.

Application : Linear drainage channel for collecting and draining surface water on pedestrians and lightly trafficked areas.

General Properties	Technical Data	Test Method
Width of channel(inside/outside)	95mm/120mm	Manufacturer's declared Value
Height of channel(inside/outside)	72mm/92mm	Manufacturer's declared Value
Cross-section of the channel	Ø 70mm	Manufacturer's declared Value
Length of channel	1000 mm	Manufacturer's declared Value
Unit weight of channel	1,250 kg	Manufacturer's declared Value
Class of loadability	EN 1433	A15
Installation category	EN 1433	type M (needs support)
Applicable concrete quality	EN 206-1	C20/25
Applicable concrete quality in case of frost danger	EN 206-1	C30/37 XF4
Min. dimensions of concrete bedding	EN 206-1	X = min 10 cm; Z = min 10 cm.

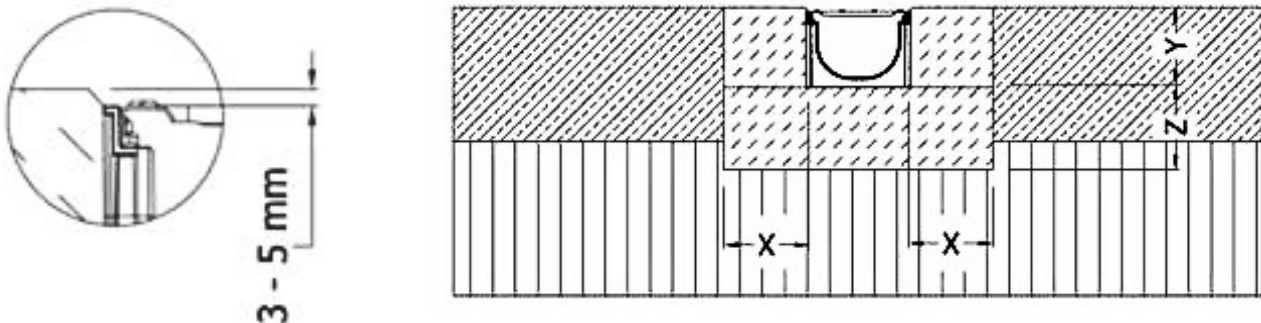


HDPE Protecto-Drain Drainage Channel

Storage	On pallets under dry conditions, protected against atmospheric exposure and heat sources.
Health & Safety	No labelling required in accordance with the relevant regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH).
Guarantee	In accordance with the current legislation and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims.

This datasheet corresponds to our current knowledge, experiences and general information on the subject, but may be revised as new knowledge and / experience becomes available. It does not imply any legally binding assurance or obligation. The product possesses the given characteristics. Please refer to the LIMITED WARRANTY TERMS offered by Wallbarn Ltd. Since all variations of end usage of the product cannot be anticipated, it is the designer and end users' responsibility to ensure the suitability of this product for the particular purposes / installations.

Installation



Mark out a trench that is wide enough for your channel drain and at least 100mm of concrete backfill on each side to hold it firmly in place (see illustration, X/Z values). Prepare the base. The channel drain should be assembled after connecting the two half-circle pieces and fixing them to the bottom of the channel drain with four screws. To connect the outlet to a main drain or soakaway, the bottom of the channel can be pierced with a hammer at the pre-marked sections. Lay the channel drain lengths into the trench, starting with a full length at the lowest point, and connect them up, adjusting the base layer as needed to allow for a fall of 5mm for every 1m length of drain. The top of the channel drain grate should sit at least 2mm below the surface level. Add end caps as needed. Backfill around the channel drain. The channel can be cleaned by removing the gratings.



Wallbarn Ltd
Unit 16 Capital Business Centre
22 Carlton Road, South Croydon. CR2 0BS

IMS.T.092.v3