CHANNEL SECT.2830 cm 225x283/200xH.155

IRRIGATION CHANNEL

Water has long been considered one of the most valuable resources on our planet.
The importance of preserving this natural element has led us in the early eighties to market prefabricated channels that would bring numerous benefits to those who had to use this resource: we are talking about the world of agriculture. For 30 years, this prefabricated product has been appreciated in the sector due to the positive benefits it provides:

• Elimination of water losses due to natural soil absorption or infiltration due to damage caused by rodents.
• Near elimination of routine weed cleaning from the channel bed.
• Simplification of irrigation interventions.
• Low cost, simplicity and speed of installation.
• Perfectly smooth inner surface that provides greater and better water flow.
• Low environmental impact.

The channels are widely used, as well as in agriculture, also in road systems as a channel for collecting waste water at the roadside. The design is based on the assumption that they should be placed alongside transit zones for vehicles and people, therefore meeting certainly different safety criteria. The prefabricated channels are placed on plinths with dimensions chosen according to the nature of the land and in relation to the type of channel. The spigot joint enables connection between one element and another and the gasket ensures the water tight sealing of the product.
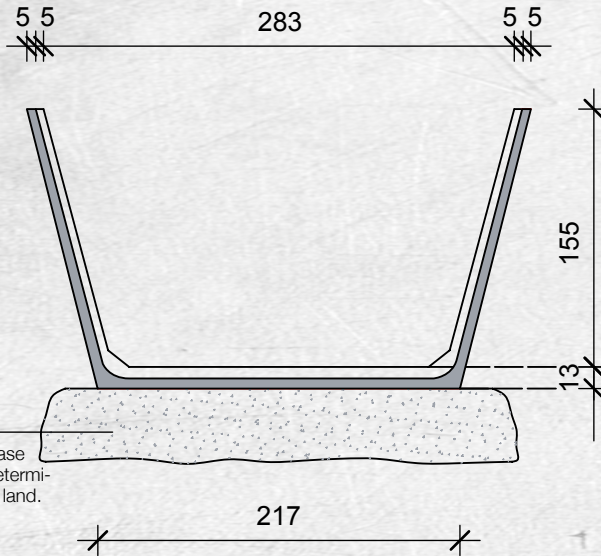
SPIGOT SECTION VIEW

5 5 283 5 5

155

13

217
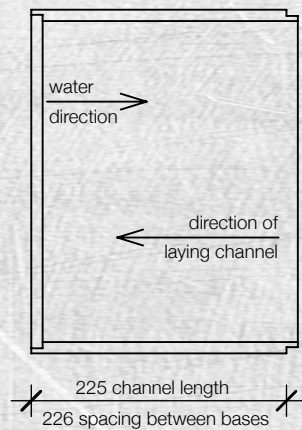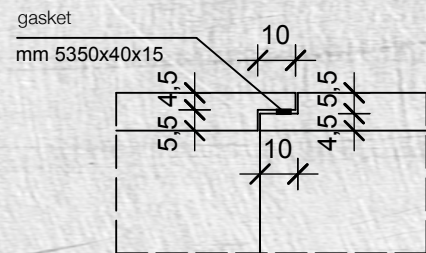
Base carried out on site to be borne by the Client.

The minimum dimensions of the base are 250x70 cm: thickness to be determined according to the nature of the land.

CHANNEL PLAN VIEW

water direction

direction of laying channel

225 channel length
226 spacing between bases

JOINT CLOSE-UP

gasket
mm 5350x40x15

10

5,5 4,5

4,5 5,5

10

TECHNICAL SPECIFICATIONS	
WEIGHT OF AN ELEMENT	kg 3600
INTERNAL SURFACE FINISH	VIBRATED CONCRETE
2nd COEFFICIENT BAZIN'S FORMULA	C=0,16

WATER SPECIFICATIONS			0 (cm 155)	4 (cm 151)	8 (cm 147)	30 (cm 125)	80 (cm 75)
CLEARANCE (CHANNEL WATER LEVEL) cm			0 (cm 155)	4 (cm 151)	8 (cm 147)	30 (cm 125)	80 (cm 75)
LIQUID AREA mq.			3,74	3,63	3,52	2,92	1,65
WATER LINE m.			5,21	5,13	5,04	4,59	3,55
FLOW litres/sec. WATER SPEED m/sec.		SLOPE i=0,0002	5637 **0,88**	5376 **0,87**	5121 **0,86**	3827 **0,82**	1120 **0,68**
		SLOPE i=0,0005	8913 **1,39**	8500 **1,37**	8096 **1,36**	6051 **1,29**	1170 **1,07**
		SLOPE i=0,001	12065 **1,96**	12021 **1,94**	11450 **1,93**	8558 **1,83**	2504 **1,52**
		SLOPE i=0,002	17827 **2,77**	17000 **2,75**	16192 **2,72**	12103 **2,58**	3541 **2,15**