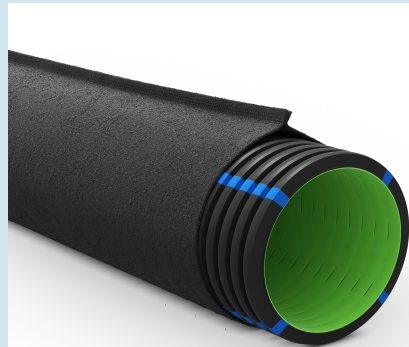


Product Data Sheet

Date of issue 20.05.2022



Manufacturer name and address

EMM. KOUVIDIS S.A
Manufacturer of plastic conduit systems
71500, VIOPA Tylissos, Heraklion, Crete
GREECE

Product Type

Rigid, perforated, structured wall HDPE pipe, corrugated outside and smooth inside, with built-in geotextile and blue color marking, for underground drainage

Product Name

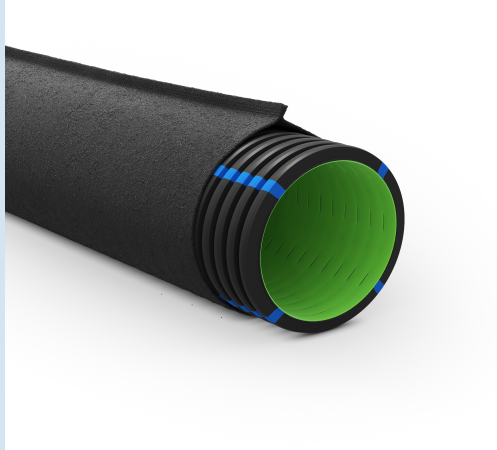
GEODRAIN PLUS
Drainage pipe

Product Properties

Product category	R2 (DIN 4262-1)
Material	High density polyethylene (HDPE)
Color	RAL 9004 Black (Outer layer) RAL 6038 Green (Inner layer)
Color Marking	4 blue longitudinal lines for water identification
Nominal outside diameters (DN/OD)	6m bars: OD110, OD125, OD160, OD200
Degrees of perforation	220° - LP (Locally perforated, DIN 4262-1)
Perforation area	>50cm ² /m
Perforation slot number	5
Nominal diameters (OD)	110 125 160 200
Perforation length (mm)	20 22 20 22
Perforation width (mm)	1,5 1,5 1,6 1,6
Perforation number per meter	185 191 267 220
Perforation area (cm ² /m)	≥50 ≥50 ≥50 ≥50
European Directive	2011/65/EE (RoHS)
Reference standards	EN ISO 9969, DIN 4262-1, NF-P 98-332
Ring stiffness	SN 4 KN/m ² SN 8 KN/m ² (EN ISO 9969)
Ageing	UV resistance (5 years)
Packaging	Bars 6m (Ø): 110, 125, 160, 200
Part Number	1012XXX (SN4) 1013XXX (SN8) where XXX: 110, 125, 160, 200

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GEODRAIN PLUS
Drainage pipe

Geotextile Characteristics

Declaration of Performance:

Tensile Strength (MD/CD) EN ISO 10319 (kN/m)	8.0 (-1.0) / 8.0 (-1.0)
Tensile Elongation (MD/CD) EN ISO 10319 (%)	45 (±10) / 45 (±10)
Resistance to Static Puncture (CBR) ISO 12236(N)	2000 (-300)
Dynamic Perforation Resistance (ISO 13433(mm)	28 (+7)
Characteristic Opening Size (ISO 12956(mm))	90 (±27)
Water Flow rate (ISO 11058(l/m ² /s))	110 (-33)