

WATER MANAGEMENT / SINGLE-WALL

GOLDLINE®

GOLDLINE® is a soil-tight, high density polyethylene plastic pipe that is an essential component of agricultural water management systems. It is available in mini rolls, maxi coils and sticks measuring 10' or 20'. GOLDLINE is also available in perforated (slots) or non-perforated configurations, and can be supplied with high performance geotextile fabric.



Features & Benefits

- Lightweight and easy to maneuver for efficient installation
- Meets or exceeds ASTM F667 requirements
- Available in AASHTO grade to meet or exceed AASHTO M252 or M294 requirements
- HDPE material is completely resistant to rusting, corrosion, and deterioration
- Available in perforated and non-perforated configurations
- Available in coils or sticks

G2 Features & Benefits

Goldline® G2 is the second generation of our single-wall product. It has been re-engineered based on customer feedback to meet the rising demands of today's drainage contractors.

- Designed for cold weather performance
- 80% more flexible than the original
- 30% stronger than the original
- Available in 8", 12" & 15"

Applications

- Culverts
- Highway Drains
- Leachbeds
- Building & Construction Drains
- Containment Pipe
- Soil Stabilization
- Conduit

* Contact your Prinsco representative regarding application suitability questions.



GOLDLINE® single-wall coils

*indicates Goldline G2

Perforated Coils

Diameter	Number	Length	Unit
3"	030100PF	100'	Micro
3"	030300PF	300'	Mini
3"	035300PF	5,300'	Maxi
4"	040100PF	100'	Micro
4"	040150PF	150'	Micro
4"	040250PF	250'	Mini
4"	043000PF	3,000'	Maxi
5"	050165PF	165'	Mini
5"	051900PF	1900'	Maxi
5"	052300PF	2,300'	Maxi
6"	060100PF	100'	Micro
6"	060575PF	575'	Mini
6"	061450PF	1,450'	Maxi
8"	080390PF	390'	Mini
8"	080825PF	825'	Maxi
10"	100525PF	525'	Maxi
12"	120320PF	320'	Maxi
15"	150150PF	150'	Maxi

Non-Perforated Coils

Diameter	Number	Length	Unit
3"	030100NP	100'	Micro
3"	030300NP	300'	Mini
3"	035300NP	5,300'	Maxi
4"	040100NP	100'	Micro
4"	040250NP	250'	Mini
4"	043000NP	3,000'	Maxi
5"	050165NP	165'	Mini
5"	051900NP	1900'	Maxi
5"	052300NP	2,300'	Maxi
6"	060100NP	100'	Micro
6"	060575NP	575'	Mini
6"	061450NP	1,450'	Maxi
8"	080390NP	390'	Mini
8"	080825NP	825'	Maxi
10"	100525NP	525'	Maxi
12"	120320NP	320'	Maxi
15"	150150NP	150'	Maxi

Coils with Sock

Knitted Polyester Sock

Diameter	Number	Length	Unit
3"	030100SF	100'	Micro
3"	030300SF	300'	Mini
3"	035300SF*	5,300'	Maxi
4"	040100SF	100'	Micro
4"	040250SF	250'	Mini
4"	043000SF	3,000'	Maxi
5"	050165SF	165'	Mini
5"	052300SF	2,300'	Maxi
6"	060100SF	100'	Micro
6"	061450SF	1,450'	Maxi
8"	080390SF	390'	Mini
8"	080825SF	825'	Maxi
10"	100525SF	525'	Maxi
12"	120320SF	320'	Maxi
15"	150150SF	150'	Maxi

* Special Order Items. Note: Geotextile fabric specifications are available upon request.

Narrow Slot Pipe

Not intended to replace sock or fabric around pipe; provided as a service to our customers without any implied warranties.

Diameter	Number	Length	Unit
4"	040250NS	250'	Mini
4"	043000NS	3,000'	Maxi
5"	050165NS	165'	Mini
5"	052300NS	2,300'	Maxi
6"	060100NS	100'	Micro
6"	061450NS	1,450'	Maxi
8"	080390NS	390'	Mini
8"	080825NS	825'	Maxi
10"	100525NS	525'	Maxi
12"	120320NS	320'	Maxi
15"	150150NS	150'	Maxi

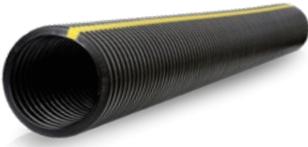
Muck Pipe

Has 3 rows of large-diameter holes at intervals of 120"

Diameter	Number	Length	Unit
4"	040100MH	100'	Micro
4"	040250MH	250'	Mini
4"	043000MH	3,000'	Maxi
5"	050165MH	165'	Mini
5"	052300MH	2300'	Maxi
6"	060100MH	100'	Micro
6"	061450MH	1,450'	Maxi

Coil Wrap Chart

		Pipe Sizes (diameter)							
		3"	4"	5"	6"	8"	10"	12"	15"
Number of Wraps	1	150'	135'	100'	90'	93'	80'	90'	75'
	2	330'	290'	250'	220'	230'	200'	195'	150'
	3	550'	490'	440'	387'	385'	350'	320'	
	4	825'	730'	670'	592'	595'	525'		
	5	1120'	1000'	940'	834'	825'			
	6	1480'	1315'	1250'	1107'				
	7	1870'	1685'	1600'	1450'				
	8	2305'	2065'	1900'					
	9	2780'	2500'	2300'					
	10	3290'	3000'						
	11	3860'							
	12	4400'							
	13	5300'							



*indicates Goldline G2

GOLDLINE® single-wall lengths

Perforated Lengths

Diameter	Number	Length	Unit
3"	030010PF	10'	100'
4"	040010LBC	10'	100'
4"	040010PFC	10'	100'
4"	040020PF	20'	20'
6"	060020PF	20'	20'
8"	080020PF	20'	20'
10"	100020PF	20'	20'
12"	120020PF	20'	20'
15"	150020PF	20'	20'

Non-Perforated Lengths

Diameter	Number	Length	Unit
3"	030010NP	10'	100'
4"	040010NPC	10'	100'
4"	040020NP	20'	20'
6"	060020NP	20'	20'
8"	080020NP	20'	20'
10"	100020NP	20'	20'
12"	120020NP	20'	20'
15"	150020NP	20'	20'

Lengths with Sock

Knitted Polyester Sock

Diameter	Number	Length	Unit
8"	080020SF*	20'	Stick
10"	100020SF*	20'	Stick
12"	120020SF*	20'	Stick
15"	150020SF*	20'	Stick

* Special Order Items. Note: Geotextile fabric specifications are available upon request.



Geotextile Sock

GOLDLINE® with geotextile sock is great for projects involving fine sand, soil or flowable particles of soil. It comes with a knitted polyester continuous seamless sleeve.

Fabric should not be used when installing in heavy soils (such as clay or loam) because it will inhibit water from entering the pipe.

Water Level Control Structures



For water table management systems:

- Controlled Drainage
- Subsurface Irrigation
- Conserve Water
- Increase Yields
- Reduce Nutrient Loss
- Decrease Soil Loss

*indicates Goldline G2

Flow Chart Full Flow Capacity GPM | Slope (ft./100 ft.)

single-wall PE pipe : Manning's "n"

3" - 6" = 0.015 8" = 0.016 10" = 0.017 12" - 15" = 0.018

Hydraulic Slope: Feet Per Hundred Feet

Diameter	0.02	0.05	0.10	0.20	0.50	1.0	2.0	5.0	10.0	20.0
3"	5	7.7	11	15	24	34	49	77	109	154
4"	11	17	23	33	52	74	105	166	234	331
5"	19	30	42	60	95	134	190	300	425	600
6"	31	49	69	98	154	218	309	488	690	976
8"	62	99	139	197	312	441	623	985	1,394	1,971
10"	106	168	238	336	532	752	1,064	1,682	2,378	3,363
12"	163	258	365	516	817	1,155	1,633	2,582	3,652	5,165
15"	296	468	662	937	1,481	2,094	2,961	4,682	6,622	9,365

To determine CFS, divide values in chart by 448.8 $Q = 448.8 k S^{1/2}$ Q = Pipe Capacity, gpm S = Slope, Ft/Ft k = Conveyance Factor

Approximate Pipe Requirements

Spacing	ft/ac
20	2180
30	1450
40	1089
50	870
60	725
70	620
80	545
90	485
100	435
110	395
120	360
130	335
140	310
150	290
160	270
180	240
200	220
250	175

Dimensions, Weights and Strength

Nominal ID (inches)	Approx. OD (inches)	Stick Length (feet)	Micro Roll (feet)	Mini Roll (feet)	Maxi Roll (feet)	Corrugation Pitch (inches)	Nominal Flow Area (sq in)	Approx. Wt./Ft. (lbs)
3"	3.6	-----	100	300	5,300	0.67	7.1	0.2
4"	4.7	10/20	100	250	3,000	0.67	12.6	0.3
5"	5.8	-----	-----	165	2,300	0.67	19.6	0.5
6"	7.0	20	100	575	1,450	0.80	28.3	0.7
8"	9.2	20	-----	390	825	1.00	50.3	1.3
10"	11.7	20	-----	-----	525	1.30	78.5	1.8
12"	14.5	20	-----	-----	320	2.00	113.1	3.0
15"	17.9	20	-----	-----	150	2.70	176.7	4.3

Online Resources : prinsco.com/goldline-agresources



GOLDLINE®



ECOFLO® 100



GOLDFLEX® G2



FITTINGS



CONTROLLED DRAINAGE