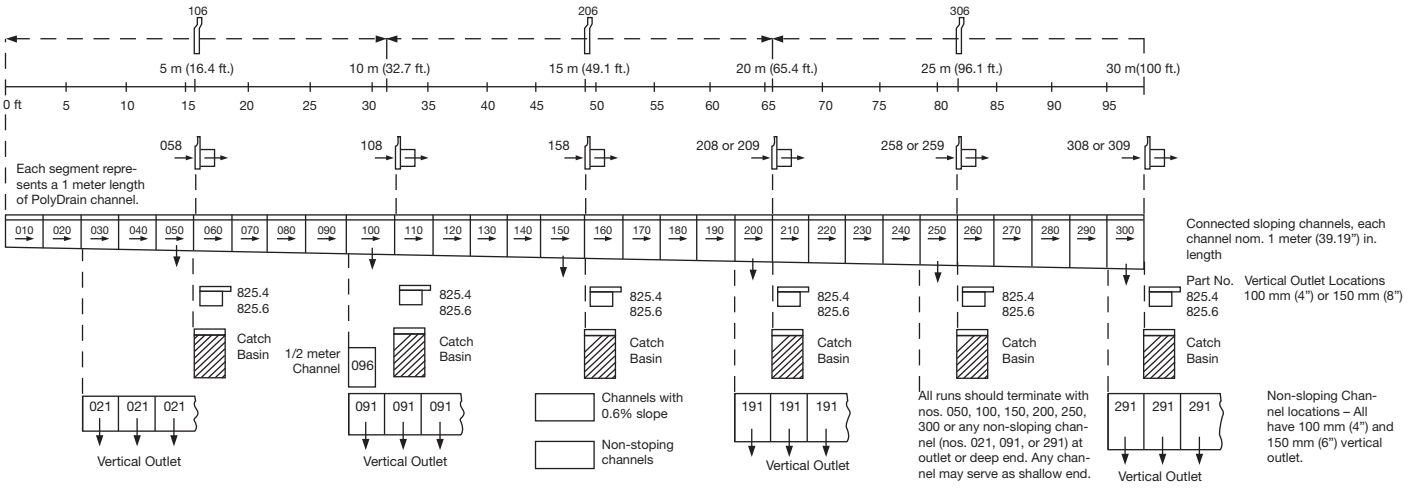
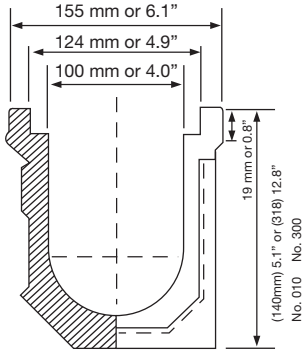
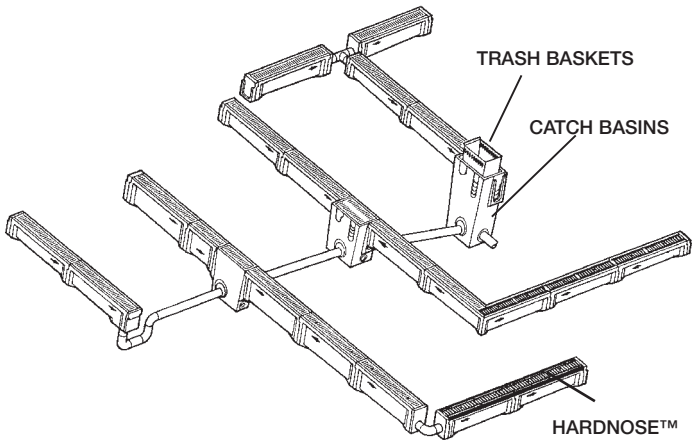
COMPONENT PARTS – BASIC PRESLOPE CHANNELS – ½ METER AND 1 METER LONG





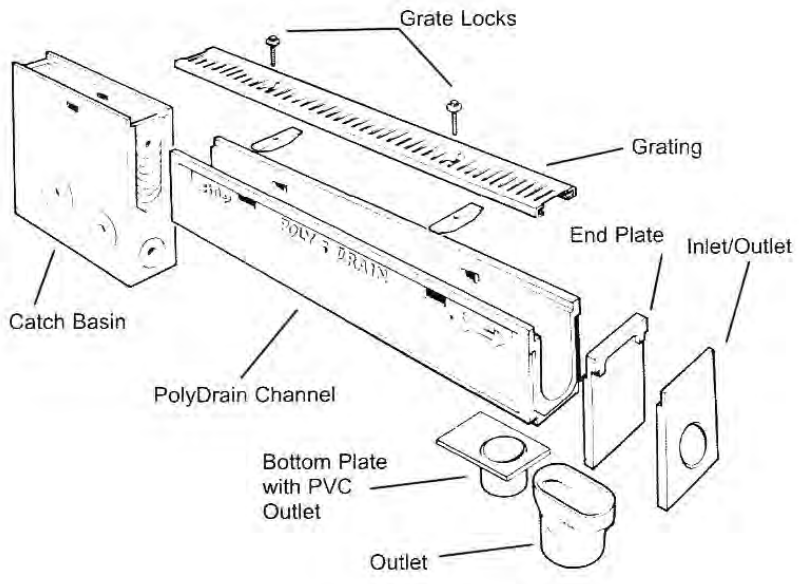
Minimum overall depth (No. 010)	128 mm or 5.1"
Maximum overall depth (No. 300)	309 mm or 12.2"
Inside top width (all channels)	100 mm or 4.0"
Maximum cross section flow areas	25, 400 mm" or 39.9 sq. in.
Length of slope system	30 mm or 98.1 feet
Channel bottom thickness	20 mm or 1.0" (nom.)

PolyDrain systems can be extended to greater lengths by Insertion of any number of non-slope channels (No. 021, 091. 096, 191, and 291) at the appropriate locations, or by the addition of PolyWall sidewall extensions



CHANNEL DATA

Part No.	Channel Only		
	Overall Channel Depth cm (in) Minimum	Maximum	Weight kg (lbs)
010	12.9 (5.1)	13.5 (5.3)	14.1 (31.1)
020	13.5 (5.3)	14.1 (5.6)	14.9 (32.8)
021	14.1 (5.6)	14.1 (5.6)	14.5 (32.0)
030	14.1 (5.6)	14.7 (5.8)	15.2 (33.6)
040	14.7 (5.8)	15.3 (6.0)	15.5 (34.3)
050	15.3 (6.0)	15.9 (6.3)	15.3 (33.8)
060	15.9 (6.3)	16.5 (6.5)	16.0 (35.2)
070	16.5 (6.5)	17.1 (6.7)	16.4 (36.2)
080	17.1 (6.7)	17.7 (7.0)	16.8 (37.0)
090	17.7 (7.0)	18.3 (7.2)	17.2 (38.0)
091	16.3 (7.2)	18.3 (7.2)	17.0 (37.4)
095	18.3 (7.2)	18.3 (7.2)	9.1 (20.1)
100	18.3 (7.2)	18.9 (7.4)	17.1 (37.6)
110	18.9 (7.4)	19.5 (7.7)	18.1 (39.8)
120	19.5 (7.7)	20.1 (7.9)	18.4 (40.6)
130	20.1 (7.9)	20.7 (8.2)	19.2 (42.4)
140	20.7 (8.2)	21.3 (8.4)	19.4 (42.8)
150	21.3 (8.4)	21.9 (8.6)	19.3 (42.6)
160	21.9 (8.6)	22.5 (8.9)	20.0 (44.2)
170	22.5 (8.9)	23.1 (9.1)	20.5 (45.1)
180	23.1 (9.1)	23.7 (9.3)	20.9 (46.1)
190	23.7 (9.3)	24.3 (9.6)	21.2 (48.5)
191	24.3 (9.6)	24.3 (9.6)	21.1 (46.6)
200	24.3 (9.6)	24.9 (9.8)	21.3 (46.9)
210	24.9 (9.8)	25.5 (10.0)	22.9 (48.6)
220	25.5 (10.0)	26.1 (10.3)	22.6 (49.8)
230	26.1 (10.3)	26.7 (10.5)	22.7 (50.0)
240	26.7 (10.5)	27.3 (10.7)	23.4 (51.5)
250	27.3 (10.7)	27.9 (11.0)	22.9 (50.5)
250	27.9 (11.0)	28.5 (11.2)	23.7 (52.4)
270	28.5 (11.2)	29.1 (11.5)	24.0 (53.0)
230	29.1 (11.5)	29.7 (11.7)	24.7 (54.5)
290	29.7 (11.7)	30.3 (11.9)	24.9 (54.9)
291	30.3 (11.9)	30.3 (11.9)	24.2 (53.4)
300	30.3 (11.9)	30.9 (12.2)	25.3 (55.6)

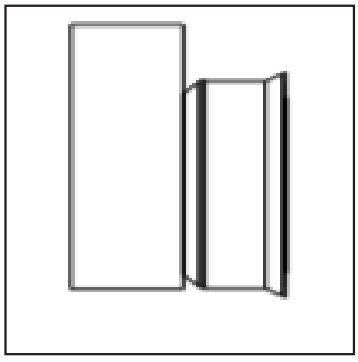


Hancor®

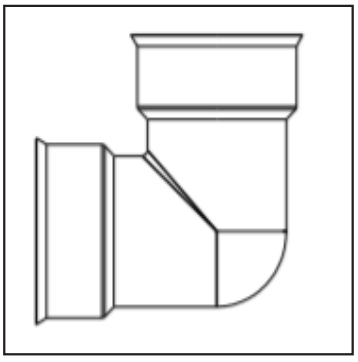
HANCOR HDPE PIPE

Y CONNECTOR

SNAP COUPLER

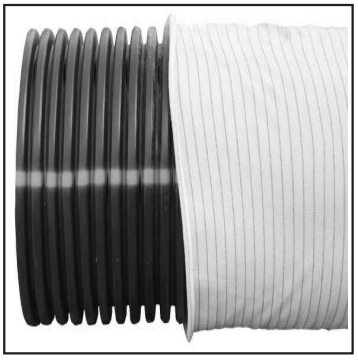


SPIGOT-BELL REDUCER



90 DEGREE CONNECTOR

T-CONNECTOR



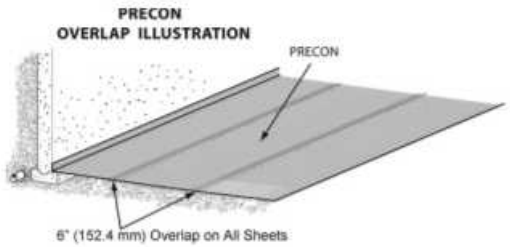
HANCOR PIPE WITH SOCK

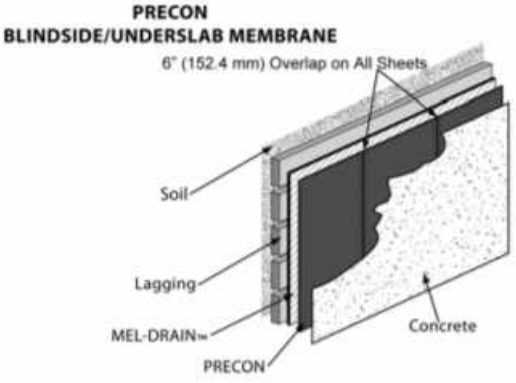
MEL-ROLL

MEL-DRAIN

ENVIRO-BARRIER VP Test Data

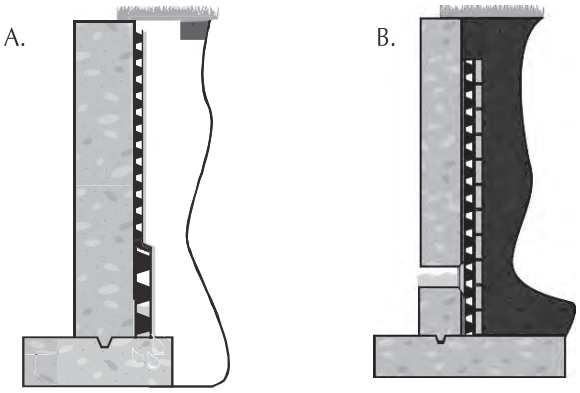
Test	Method	Result
Air Permeance	ASTM E2178	0.0008 cfm/ft²
Air Barrier Assembly	ASTM E2357	Infiltration @ 75Pa – 0.0002 cfm/ft² Exfiltration @ 75Pa – 0.0002 cfm/ft²
Water Vapor Permeance	ASTM E96	>10 perms
Elongation	ASTM D412	600%
Pull Adhesion	ASTM D4541	139 psi
Low Temp. Flexibility	ASTM C836	Pass
Peel Strength	ASTM D903	5.1 lbf/in
Color		Light Blue
Application Temperature		40°F - 120°F
Percentage of Solids		65%
UV Resistance		Up to 120 days
Flame Spread Index	ASTM E84	5 (Class A Fire Rating)
Smoke Developed Index	ASTM E84	5 (Class A Fire Rating)
Drying Time		Tack Free 2 – 4 hours Full Cure 24 – 48 hours





PRECON is a composite sheet membrane comprised of a non-woven fabric, elastomeric membrane. The plasmatic core is a seven-layer matrix designed for toughness and provides the lowest water vapor transmission (WVT) rating on the market. Once concrete is poured against PRECON and the concrete cures, a mechanical bond forms that secures the concrete to the membrane.

DRAINAGE APPLICATION CHART FOR VERTICAL AND HORIZONTAL USE

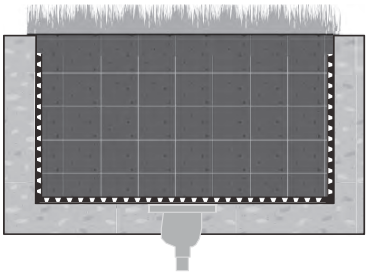


A. Backfilled Walls

MEL-ROL ..... MEL-DRAIN 5012/5035
MEL-ROL LM ..... MEL-DRAIN 5012/5035-B
HYDRALASTIC 836 ..... MEL-DRAIN 5012/5035-B

B. Blindside Walls

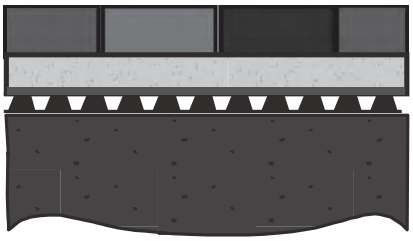
HYDRALASTIC 836 ..... MEL-DRAIN 5035
PRECON ..... MEL-DRAIN 5035



Planters

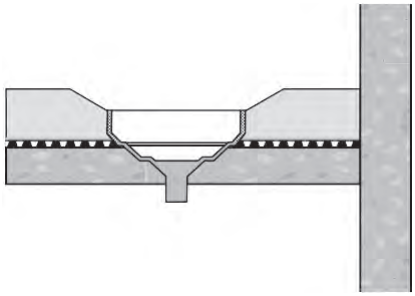
HYDRALASTIC 836 ..... MEL-DRAIN 9055-B

WATERSTOP RX



Plaza Decks

PRECON ..... MEL-DRAIN 9055
MEL-ROL ..... MEL-DRAIN 9055
HRM 714 ..... MEL-DRAIN 9055-B
HYDRALASTIC 836 ..... MEL-DRAIN 9055-B



Split Slab

PRECON ..... MEL-DRAIN 9055
MEL-ROL ..... MEL-DRAIN 9055
HRM 714 ..... MEL-DRAIN 9055-B
HYDRALASTIC 836 ..... MEL-DRAIN 9055-B

Under Slabs

PRECON..... MEL-DRAIN 5035

Sika® Greenstreak WATERSTOPS

Hydrotite is a world renowned hydrophilic waterstop. Composed of modified chloroprene rubber protected with a special delay coating, Hydrotite expands when exposed to water, creating an effective compression seal within joints where limited movement will occur.

SPLICING IRONS FOR FIELD WELDING

PENETRON
TOTAL CONCRETE PROTECTION

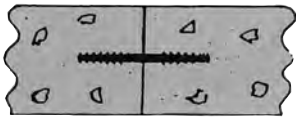
PENEBAR SW-55

PENEBAR PRIMER

TYPES OF WATERSTOPS

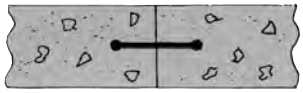
WATERSTOPS FOR NON-WORKING JOINTS

RIBBED FLAT WATERSTOP



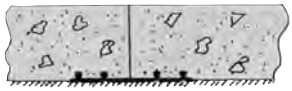
Construction or contraction joints where little or no movement is expected. Ribbed shapes provide a better seal than dumbbell shapes.

DUMBBELL WATERSTOP



Construction or contraction joints where little or no movement is expected.

BASE SEAL WATERSTOP

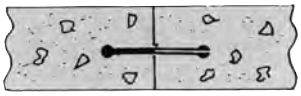


Ideal for slab-on-grade joints or walls which will be back-filled. Easy to form.

LABYRINTH®WATERSTOP

Primarily used in vertical joints where little or no differential movement is expected. Does not require split forming and adds a key to the joint. Difficult to use in horizontal joints.

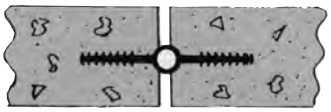
SPLIT WATERSTOP



Available in ribbed with centerbulb and dumbbell shapes. Eliminates the need for split form bulkhead.

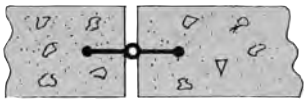
WATERSTOPS FOR WORKING JOINTS

RIBBED WITH CENTERBULB WATERSTOP



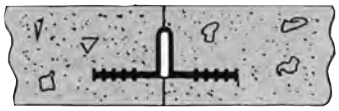
The most versatile type of waterstop available. The centerbulb accommodates lateral, transverse and shear movement. Larger centerbulbs accommodate larger movements.

DUMBBELL WITH CENTERBULB WATERSTOP



Accommodates lateral, transverse and shear movements. Ribbed shapes provide better sealing characteristics.

TEAR WEB WATERSTOP



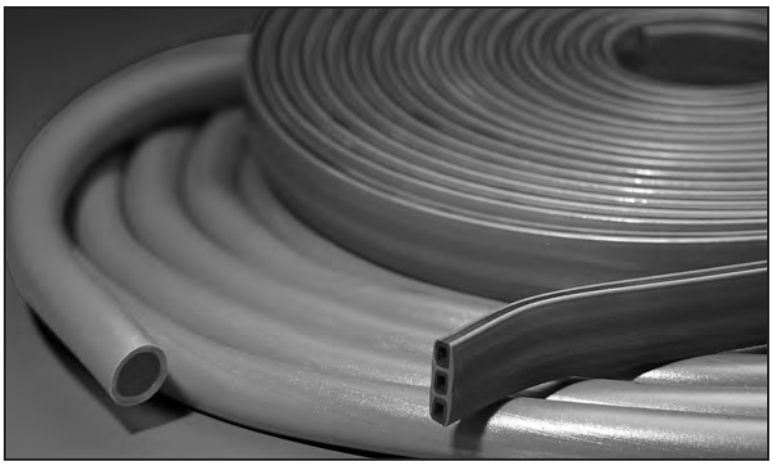
Accommodates large movements. Upon joint movement the tear web ruptures allowing the U-bulb to deform without putting the material in tension.

GREENSTREAK® Waterstop is manufactured in widths from 4″ to 12″ and in thicknesses from ⅛″ to ½″. Over 110 different sizes and profiles are available to meet the most demanding requirements.

HYDROPHILIC WATER STOPS

Waterstops for joints in concrete.

Sika® Hydrotite®



GREENSTREAK® PVC WATERSTOP PHYSICAL PROPERTIES

PROPERTY	TEST *ASTM	NOMINAL VALUE
Water absorption	*D 570	0.15
Tear resistance	*D 624	350/lb. in.
Ultimate elongation	*D 638	390%
Tensile strength	*D 638	2250 psi min.
Low temperature brittleness	*D 746	Passed @ -35°F / -37°C
Stiffness in flexure	*D 747	1190 psi
Specific gravity	*D 792	1.37
Ozone resistance	*D 1149	No failure
Volatile loss	*D 1203	0.30%
Hardness Shore A15	*D 2240	76±3
Accelerated extraction • Tensile strength • Elongation	CRD-C 572	 2130 psi 370%
Effect of Alkali • weight change • hardness change		 +0.05% -1 point