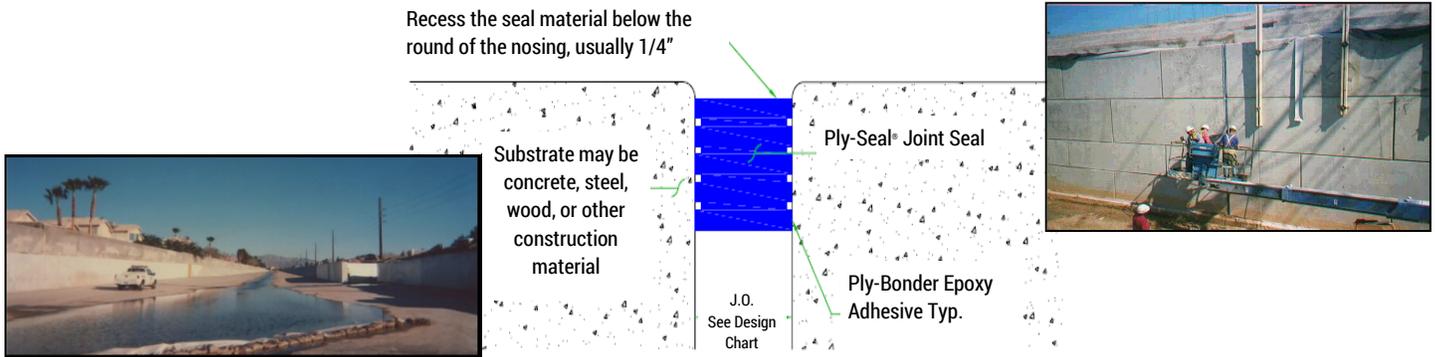


Ply-Seal[®] Joint Systems Under Hydrostatic Conditions



Ply-Seal[®] may be installed under hydrostatic conditions using the charts below as a guide. Ply-Seal[®] is a waterproof, flexible, pre-formed joint seal that may be used in above or below grade applications. In hydrostatic conditions, the amount of expected pressure determines the dimensions. Without backing material or bottom support, such as full depth Ply-Seal[®] FG, the depth may need to be increased. The following design chart was developed to help determine the proper seal size for the Ply-Seal[®] joint material that is unsupported. Please refer to the Ply-Seal[®] Joint Systems technical data sheet for the Ply-Seal[®] Joint Seal design requirements in non-hydrostatic conditions.

Ply-Seal[®] Depth Chart: Under Hydrostatic Conditions

Hydrostatic Pressure	Feet of Head	Minimum Seal Depth (inch)	Maximum Tension on Seal Allowed
2.17	5	2	25%
4.33	10	2	25%
6.5	15	2	20%
8.66	20	2 1/2	15%
10.83	25	2 1/2	5%
12.99	30	3	0%
15.16	35	3	0%
17.32	40	3 1/2	10% in Compression Minimum
21.65	50	3 1/2	15% in Compression Minimum
25.98	60	4	20% in Compression Minimum
30.30	70	4	25% in Compression Minimum

Notes

Minimum depth is two (2) times joint opening at mid range or per chart, whichever is greater unless supported with Ply-Seal[®] FG.

The maximum movement shall not exceed the uncompressed seal size from 26' of head to 35'. Over 35' of head the seal shall remain under the minimum compression listed in the chart, at the maximum opening.

Contact the manufacturer for site-specific requirements. Other sizes are available. Contact Polyset for site specific recommendations.

Ply-Seal[®] Width Chart

Jt. Gap @ 60°F	Minimum Seal Width
1"	1 3/8"
1 1/4"	1 5/8"
1 1/2"	2"
1 3/4"	2 3/8"
2"	2 3/4"
2 1/4"	3"
2 1/2"	3 3/8"
2 3/4"	3 5/8"
3"	4"
3 1/2"	4 5/8"
4"	5 1/4"

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