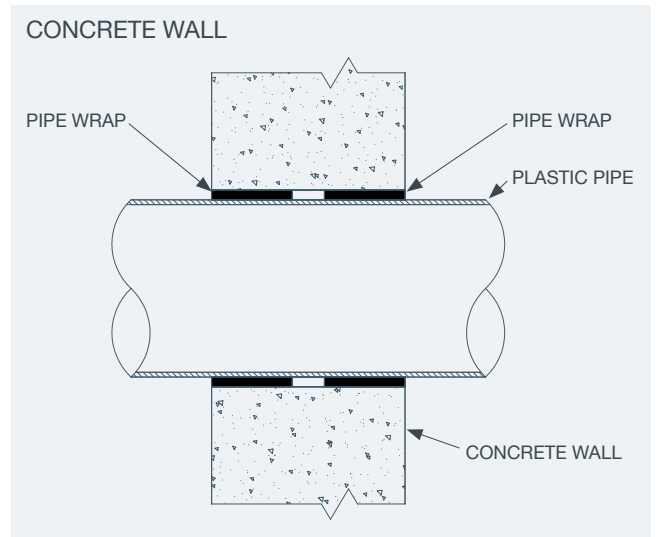
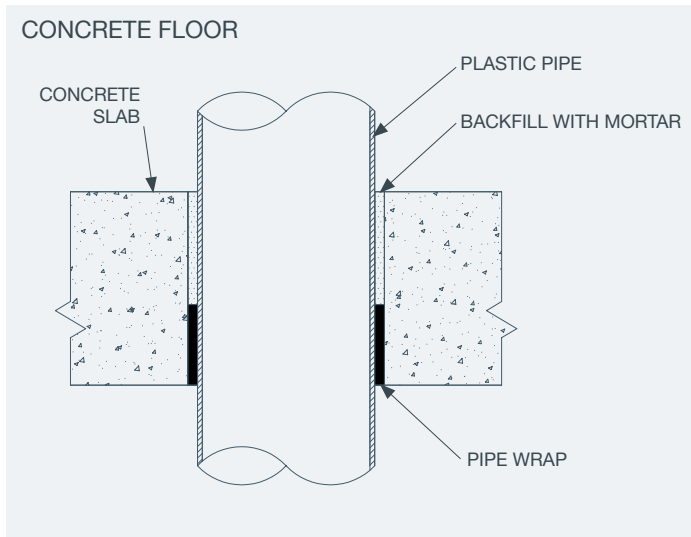


CONCRETE INSTALLATION DETAILS:



PIPE WRAP TEST RESULTS:

NOMINAL PIPE SIZE (MM)	SLAB DEPTH (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT	PENETRATION HOLE SIZE (MM)	FLOOR FRL	REPORT NUMBER	WALL FRL	REPORT NUMBER
PVC PLASTIC PIPE								
40	150	2.0	FW40	62	-/120/120	3788	-/120/120	5957
50	150	2.2	FW50	72	-/120/120	3808	-/120/120	3808
65	150	2.7	FW65	87	-/180/180	3655	-/120/120	5956
80	150	2.9	FW80	102	-/120/120	3808	-/180/180	4211
100	150	3.2	FW100	127	-/120/120	3655	-/180/120	4211
150	150	4.5	FW150	192	-/90/90	4058	-/120/120	4836
HDPE PLASTIC PIPE								
50	150	3.0	FW50	67	-/120/120	4100	-/120/120	4836
56	150	3.0	FW50	73	-/120/120	11057		
63	150	3.0	FW65	80	-/120/120	11057		
75	150	3.0	FW65	92	-/120/120	4100		
90	150	3.5	FW100	107	-/120/120	11057		
110	150	4.3	FW100	127	-/120/120	4100		
150	120	6.2	FW150 + PR150*	192	-/180/180	5573		
PP-R PLASTIC PIPE (SDR 7.4)								
40	150	5.5	FW40	57	-/120/120	4100	-/180/180	4211
75	150	10.3	FW80	92	-/120/120	4100	-/180/180	4211
110	150	15.1	FW100	127	-/120/120	4100	-/120/120	4836
125	150	17.1	FW125	152			-/180/180+	4211
RAUPIANO PP-MD								
40	120	1.8	FW40	57	-/120/120	5169		
50	120	1.8	FW50	67	-/120/120	5169		

*0.9 Perforated ring fixed to underside of slab. Contact Allproof for details.
 + 75mm Wide Double Layer Pipe Wrap Used.