

**Southwest Fireproofing Type 5 GP, Type 5 MD, Type 7 GP & Type 7 HD  
Design No. X771 - Pipe Columns**

**Standard Weight Pipe**

Size			Thickness, in. , Required for Size and Rating Indicated				
Nom. Diameter, in.	Wall Thickness	A/P	1 Hour	1.5 Hour	2 Hour	3 Hour	4 Hour
2.50	0.203	0.19	0.950	1.544	2.139	3.327	NR
3	0.216	0.2	0.903	1.467	2.032	3.160	NR
3.50	0.226	0.21	0.860	1.397	1.935	3.010	NR
4	0.237	0.22	0.821	1.334	1.847	2.873	NR
5	0.258	0.24	0.752	1.223	1.693	2.634	3.574
6	0.28	0.27	0.669	1.087	1.505	2.341	3.177
8	0.322	0.31	0.583	0.947	1.311	2.039	2.767
10	0.365	0.35	0.516	0.838	1.161	1.806	2.451
12	0.375	0.36	0.502	0.815	1.129	1.756	2.383

NR - Not Rated

**Extra Strong Pipe**

Size			Thickness, in. , Required for Size and Rating Indicated				
Nom. Diameter, in.	Wall Thickness	A/P	1 Hour	1.5 Hour	2 Hour	3 Hour	4 Hour
1.50	0.2	0.17	1.062	1.726	2.390	3.718	NR
2	0.218	0.19	0.950	1.544	2.139	3.327	NR
2.50	0.276	0.25	0.722	1.174	1.625	2.528	3.431
3	0.3	0.27	0.669	1.087	1.505	2.341	3.177
3.50	0.318	0.29	0.623	1.012	1.401	2.179	2.958
4	0.337	0.31	0.583	0.947	1.311	2.039	2.767
5	0.375	0.35	0.516	0.838	1.161	1.806	2.451
6	0.432	0.4	0.451	0.734	1.016	1.580	2.144
6	0.864	0.74	0.250	0.397	0.549	0.854	1.159
8	0.5	0.47	0.384	0.624	0.865	1.345	1.825
10	0.5	0.48	0.376	0.611	0.847	1.317	1.787
12	0.5	0.48	0.376	0.611	0.847	1.317	1.787

NR - Not Rated

**Double Extra Strong Pipe**

Size			Thickness, in. , Required for Size and Rating Indicated				
Nom. Diameter, in.	Wall Thickness	A/P	1 Hour	1.5 Hour	2 Hour	3 Hour	4 Hour
2	0.436	0.34	0.531	0.863	1.195	1.859	2.523
2.50	0.552	0.43	0.420	0.682	0.945	1.470	1.995
3	0.6	0.48	0.376	0.611	0.847	1.317	1.787
4	0.674	0.56	0.322	0.524	0.726	1.129	1.532
5	0.75	0.64	0.282	0.459	0.635	0.988	1.340
6	0.864	0.74	0.250	0.397	0.549	0.854	1.159
8	0.875	0.78	0.250	0.376	0.521	0.810	1.100

These column protection thicknesses have been calculated for the convenience of users, in accordance with the proprietary equation in UL Design No. X771, as detailed in the UL FireResistance Directory - Volume 1, 2007. While we have taken care to be as accurate as possible, we will not be held responsible for errors or omissions. If any discrepancy is found between this table and the UL Design information, the UL Design information governs.