

UL® Listed Wall Assemblies

Single Stud Wall - Fire Assemblies ^A

UL Design No.	Hourly Rating	ProSTUD Minimum Thickness	ProSTUD Minimum Depth
U403	2	ProSTUD 22 (18mil)	3-5/8"
U408	2	ProSTUD 22 (18mil)	3-5/8"
U411	2	ProSTUD 25 (15mil)	2-1/2"
U412	2	ProSTUD 25 (15mil)	1-5/8"
U419	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
U421	2	ProSTUD 25 (15mil)	3-5/8"
U431	4	ProSTUD 22 (18mil)	3-5/8"
U435	3 or 4	ProSTUD 25 (15mil)	1-5/8"
U442 *	1	ProSTUD 33MIL	2-1/2"
U450	1 or 3	ProSTUD 22 (18mil)	3-5/8"
U451	1	ProSTUD 22 (18mil)	2-1/2"
U454	2	ProSTUD 22 (18mil)	2-1/2"
U463	3 or 4	ProSTUD 22 (18mil)	1-5/8"
U465	1	ProSTUD 22 (18mil)	2-1/2"
U471	1-1/2	ProSTUD 22 (18mil)	3-5/8"
U475	1, 2 or 3	ProSTUD 22 (18mil)	3-5/8"
U478	3	ProSTUD 22 (18mil)	1-5/8"
U484 *	2	ProSTUD 33MIL	2-1/2"
U488 *	1	ProSTUD 33MIL	2-1/2"
U490	4	ProSTUD 22 (18mil)	2-1/2"
U491	2	ProSTUD 22 (18mil)	3-5/8"
U494	1	ProSTUD 22 (18mil)	2-1/2"
U495	1 or 2	ProSTUD 22 (18mil)	3-5/8"
U496	1	ProSTUD 22 (18mil)	1-5/8"

UL Design No.	Hourly Rating	ProSTUD Minimum Thickness	ProSTUD Minimum Depth
V410	2	ProSTUD 22 (18mil)	1-5/8"
V412	2	ProSTUD 22 (18mil)	3-5/8"
V416	1	ProSTUD 22 (18mil)	3-5/8"
V417	1	ProSTUD 22 (18mil)	3-5/8"
V418	2	ProSTUD 22 (18mil)	1-5/8"
V419	2	ProSTUD 22 (18mil)	2-1/2"
V425	1	ProSTUD 22 (18mil)	2-1/2"
V435	1	ProSTUD 22 (18mil)	3-5/8"
V438	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
V443	4	ProSTUD 22 (18mil)	3-5/8"
V444	1	ProSTUD 22 (18mil)	3-5/8"
V448	1	ProSTUD 22 (18mil)	3-5/8"
V449	2	ProSTUD 22 (18mil)	3-5/8"
V450	1	ProSTUD 25 (15mil)	3-5/8"
V450	2	ProSTUD 25 (15mil)	2-1/2"
V452	1 or 2	ProSTUD 22 (18mil)	3-5/8"
V453 *	1-1/2	ProSTUD 33MIL	6"
V461 *	1	ProSTUD 33MIL	3-5/8"
V464	1	ProSTUD 25 (15mil)	3-5/8"
V476	1 or 3	ProSTUD 22 (18mil)	3-5/8"
V477	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
V487	2	ProSTUD 22 (18mil)	1-5/8"
V489 *	1, 2, 3 or 4	ProSTUD 22 (18mil)	(See Table 1 below)

Chase or Double Stud - Fire Assemblies ^A

UL Design No.	Hourly Rating	ProSTUD Minimum Thickness	ProSTUD Minimum Depth
U420	2	ProSTUD 25 (15mil)	1-5/8"
U436	1, 2, or 3	ProSTUD 22 (18mil)	1-5/8"
U444	2	ProSTUD 25 (15mil)	1-5/8"
U445 *	1	ProSTUD 33MIL	1-5/8"
U466	1	ProSTUD 22 (18mil)	2-1/2"
U493	2	ProSTUD 25 (15mil)	2-1/2"

UL Design No.	Hourly Rating	ProSTUD Minimum Thickness	ProSTUD Minimum Depth
V437	1	ProSTUD 22 (18mil)	1-5/8"
V442	2	ProSTUD 25 (15mil)	1-5/8"
V464	1	ProSTUD 25 (15mil)	3-5/8"
V469 *	1	ProSTUD 33MIL	2-1/2"
V469	2	ProSTUD 22 (18mil)	2-1/2"
V488	1 or 2	ProSTUD 22 (18mil)	2-1/2"
V490 *	1 or 2	ProSTUD 33MIL	2-1/2"

Table 1: Minimum Depth of ProSTUD Required ^A

Hourly Rating	Min. Stud Depth (in.)	No. of layers and thickness of gypsum board	UL U419	UL V438	UL V477	UL V489 *
1	2-1/2"	1 layer, 1/2"	—	—	—	✓
1	3-5/8"	1 layer, 5/8"	✓	✓	✓	✓
2	1-5/8"	2 layer, 1/2"	✓	✓	✓	✓
2	1-5/8"	2 layer, 5/8"	✓	—	✓	✓
2	2-1/2"	2 layer, 5/8"	—	✓	—	—
3	1-5/8"	3 layer, 1/2"	✓	✓	✓	✓
3	1-5/8"	3 layer, 5/8"	✓	✓	✓	✓
4	1-5/8"	4 layer, 1/2"	✓	✓	✓	✓
4	1-5/8"	4 layer, 5/8"	✓	✓	✓	✓

Notes:

^A See UL listing for detailed requirements of construction of tested assembly.

* ProSTUD meets description of generic stud in UL assembly.