

ProSTUD® SINGLE STUD WALL—FIRE ASSEMBLIES^A

UL design no.	Hourly rating	ProSTUD minimum thickness	ProSTUD minimum depth	UL design no.	Hourly rating	ProSTUD minimum thickness	ProSTUD minimum depth
U403	2	ProSTUD 20 (18mil)	3-5/8"	V410	2	ProSTUD 20 (18mil)	1-5/8"
U407	1/2 or 1	ProSTUD 25 (15mil)	3-5/8"	V412	2	ProSTUD 20 (18mil)	3-5/8"
U408	2	ProSTUD 20 (18mil)	3-5/8"	V416	1	ProSTUD 20 (18mil)	3-5/8"
U411	2	ProSTUD 25 (15mil)	2-1/2"	V417	1	ProSTUD 20 (18mil)	3-5/8"
U412	2	ProSTUD 25 (15mil)	1-5/8"	V418	2	ProSTUD 20 (18mil)	1-5/8"
U419	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)	V419	2	ProSTUD 20 (18mil)	2-1/2"
U421	2	ProSTUD 25 (15mil)	3-5/8"	V425	1	ProSTUD 20 (18mil)	2-1/2"
U431	4	ProSTUD 20 (18mil)	3-5/8"	V435	1	ProSTUD 20 (18mil)	3-5/8"
U435	3 or 4	ProSTUD 25 (15mil)	1-5/8"	V438	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
U442*	1	ProSTUD 33MIL	2-1/2"	V443	4	ProSTUD 20 (18mil)	3-5/8"
U450	1 or 3	ProSTUD 20 (18mil)	3-5/8"	V444	1	ProSTUD 20 (18mil)	3-5/8"
U451	1	ProSTUD 20 (18mil)	2-1/2"	V448	1	ProSTUD 20 (18mil)	3-5/8"
U454	2	ProSTUD 20 (18mil)	2-1/2"	V449	2	ProSTUD 20 (18mil)	3-5/8"
U463	3 or 4	ProSTUD 20 (18mil)	1-5/8"	V450	1	ProSTUD 25 (15mil)	3-5/8"
U465	1	ProSTUD 20 (18mil)	3-5/8"	V450	2	ProSTUD 25 (15mil)	2-1/2"
U471	1-1/2	ProSTUD 20 (18mil)	3-5/8"	V452	1 or 2	ProSTUD 20 (18mil)	3-5/8"
U475	1, 2 or 3	ProSTUD 20 (18mil)	3-5/8"	V453*	1-1/2	ProSTUD 33MIL	6"
U478	3	ProSTUD 20 (18mil)	1-5/8"	V461*	1	ProSTUD 33MIL	3-5/8"
U484*	2	ProSTUD 33MIL	2-1/2"	V476	1 or 3	ProSTUD 20 (18mil)	3-5/8"
U488*	1	ProSTUD 33MIL	2-1/2"	V477	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
U490	4	ProSTUD 20 (18mil)	2-1/2"	V487	2	ProSTUD 20 (18mil)	1-5/8"
U491	2	ProSTUD 20 (18mil)	3-5/8"	V489	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
U494	1	ProSTUD 20 (18mil)	2-1/2"	V498	1, 2, 3 or 4	ProSTUD 25 (15mil)	(See Table 1 below)
U495	1 or 2	ProSTUD 20 (18mil)	3-5/8"	W411	1/2 or 1	ProSTUD 25 (15mil)	3-5/8"
U496	1	ProSTUD 20 (18mil)	1-5/8"	W415	1 or 2	ProSTUD 20 (18mil)	2-1/2"
				W424	1	ProSTUD 25 (15mil)	3-5/8"

ProSTUD CHASE OR DOUBLE STUD—FIRE ASSEMBLIES^A

UL design no.	Hourly rating	ProSTUD minimum thickness	ProSTUD minimum depth	UL design no.	Hourly rating	ProSTUD minimum thickness	ProSTUD minimum depth
U420	2	ProSTUD 25 (15mil)	1-5/8"	V442	2	ProSTUD 25 (15mil)	1-5/8"
U436	1, 2, or 3	ProSTUD 20 (18mil)	1-5/8"	V464	1	ProSTUD 25 (15mil)	3-5/8"
U444	2	ProSTUD 25 (15mil)	1-5/8"	V469*	1	ProSTUD 33 (33mil)	2-1/2"
U445*	1	ProSTUD 33 (33mil)	1-5/8"	V469	2	ProSTUD 20 (18mil)	2-1/2"
U466	1	ProSTUD 20 (18mil)	2-1/2"	V488	1 or 2	ProSTUD 20 (18mil)	2-1/2"
U493	2	ProSTUD 25 (15mil)	2-1/2"	V490*	1 or 2	ProSTUD 33 (33mil)	2-1/2"
V437	1	ProSTUD 20 (18mil)	1-5/8"	V496	1 or 2	ProSTUD 20 (18mil)	2-1/2"

ProSTUD 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	UL V498
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:

^ASee UL listing for detailed requirements of construction of tested assembly.

*ProSTUD meets or exceeds the description of the generic stud/track listed in the UL assembly.

