

Wall Experiments

Experiment #	Ignition Source	Siding	Sheathing	Insulation	Notes:
1	150kW	4" Vinyl	Plywood	Fiberglass	
2	50kW	4" Vinyl	Plywood	Fiberglass	
3	100kW	4" Vinyl	Plywood	Fiberglass	
4	150kW	4" Vinyl	1" Polystyrene	Fiberglass	
5	100kW	4" Vinyl	1" Polystyrene	Fiberglass	
6	50kW	4" Vinyl	1" Polystyrene	Fiberglass	
7	100kW	4" Vinyl	1" Polyisocyanurate	Fiberglass	
8	100kW	4" Vinyl	1/2" Polystyrene	Open Cell Polyurethane Spray Foam	
9	100kW	4" Vinyl	1/2" Polystyrene	Closed Cell Polyurethane Spray Foam	
10	100kW	4" Vinyl	1" Polyisocyanurate	Open Cell Polyurethane Spray Foam	
11	100kW	4" Vinyl	1/2" Polystyrene & Plywood	Open Cell Polyurethane Spray Foam	
12	100kW	4" Vinyl	1/2" Polystyrene	Open Cell Polyurethane Spray Foam	2 receptacles placed in finished side of wall
13	100kW	4" Vinyl	1" Polystyrene	Fiberglass	2 receptacles placed in finished side of wall
14	100kW	8" Wood Lap	1/2" Polystyrene	Open Cell Polyurethane Spray Foam	
15	Propane Grill	4" Vinyl	1" Polystyrene	Fiberglass	

16	Propane Grill	4" Vinyl	Plywood	Fiberglass	
17	100kW	8" Wood Lap	Plywood	Fiberglass	
18	100kW	Vinyl Shake	1" Polystyrene	Fiberglass	
19	100kW	8" Hardie Lap	1" Polystyrene	Fiberglass	
20	100kW	4" Aluminum Lap	1" Polystyrene	Fiberglass	
21	100kW	8" Wood Lap	1" Polystyrene	Fiberglass	
22	100kW	None	Plywood	None	
23	25kW	4" Vinyl	Plywood	Fiberglass	
24	25kW	4" Vinyl	1/2" Polystyrene	Closed Cell Polyurethane Spray Foam	
25	100kW	2 Coat Stucco	Plywood	Fiberglass	
25.1	200kW	2 Coat Stucco	Plywood	Fiberglass	Fire source increased during test
26	100kW	2 Coat Stucco	1" Polystyrene	Fiberglass	
26.1	200kW	2 Coat Stucco	1" Polystyrene	Fiberglass	Fire source increased during test
27	100kW	EIFS	Plywood	Fiberglass	
27.1	200kW	EIFS	Plywood	Fiberglass	Fire source increased during test
28	100kW	EIFS	Plywood	Fiberglass	
28.1	300kW	EIFS	Plywood	Fiberglass	Fire source increased during test