

TABLE 14. AIR LEAKAGE IN CUBIC FEET PER HOUR AND B.T.U. NECESSARY TO HEAT SUCH LEAKAGE FROM 0 TO 70 DEG. FAHR. FOR CRACKS INDICATED AND $\frac{3}{4}$ IN. CLEARANCE, WINDOW UNLOCKED.

WIND VELOCITY MILES PER HOUR	PER SQ. FT. OF 13" BRICK WALL; PLASTERED		PER FT. OF UNCALCED CRACK AROUND FRAME		PER FT. OF CRACK AROUND THE SASH INCLUDING MEETING RAIL							
	B.t.u.		B.t.u.		Plain Unstripped Wood Window		Weather Stripped Window					
	Leakage Cu. Ft. per Hour		Leakage Cu. Ft. per Hour		Leakage Cu. Ft. per Hour	Average Results	Best Results					
						Leakage Cu. Ft. per Hour	B.t.u.	Leakage Cu. Ft. per Hour	B.t.u.			
PART I Values actually determined by laboratory tests.	5.0	0.666	0.845	1.76	2.22	49.1	62.5	3.75	4.76	3.27	4.15	
	7.5	1.73	2.20	7.95	10.1	78.6	100.0	8.52	10.8	7.20	9.14	
	10.0	3.07	3.90	14.1	17.9	106.0	134.0	14.7	18.7	13.1	16.6	
	15.0	6.66	8.45	28.3	35.9	155.0	197.0	28.6	36.4	25.6	32.5	
	20.0	10.7	13.5	38.8	49.3	201.0	256.0	43.6	55.4	38.6	49.0	
	30.0	19.9	25.1	67.1	85.3	291.0	370.0	74.5	94.6	65.5	83.1	
	40.0	31.5	40.0	95.0	121.0	386.0	491.0	110.0	139.0	98.2	125.0	
	50.0	42.9	54.5	111.0	141.0	498.0	634.0	146.0	186.0	134.0	168.0	
	PART II Values for practical use: Average test values reduced by 20 per cent to allow for building up of pressure in room, etc.	5.0	.532	.676	1.41	1.77	39.3	50.0	3.00	3.80		
		7.5	1.38	1.63	6.36	8.08	62.8	80.0	6.82	8.64		
10.0		2.46	3.12	11.3	14.3	84.9	107.0	11.7	14.9	.....	.....	
15.0		5.33	6.76	22.6	28.7	124.0	157.0	22.9	29.1	.....	.....	
20.0		8.54	10.8	31.1	39.4	161.0	204.0	34.9	44.3	.....	.....	
30.0		16.0	20.5	53.6	68.2	233.0	296.0	59.6	75.6	.....	.....	
40.0		25.2	32.0	76.0	96.5	309.0	392.0	87.8	111.0	.....	.....	
50.0	33.3	43.6	88.9	114.0	390.0	507.0	117.0	149.0	.....	.....		

TABLE 15. LEAKAGE FOR DOUBLE HUNG UNLOCKED WINDOWS C. F. H. PER FOOT OF CRACK PER MILE WIND VELOCITY AND B.T.U. PER HOUR PER FOOT OF CRACK PER MILE WIND VELOCITY PER 70 DEGREES TEMPERATURE DIFFERENCE

CRACK	PLAIN WINDOW		WEATHER-STRIPPED WINDOW							
	$\frac{1}{8}$ "- $\frac{1}{4}$ "		$\frac{1}{8}$ "		$\frac{1}{4}$ "		$\frac{3}{8}$ "		$\frac{1}{2}$ "	
	Leakage		Leakage		Leakage		Leakage		Leakage	
	B.t.u.		B.t.u.		B.t.u.		B.t.u.		B.t.u.	
PART I Best Results										
$\frac{1}{32}$	.....	.....	1.32	1.67	1.48	1.87	1.63	2.07	1.79	2.27
$\frac{1}{16}$	.....	.....	1.56	1.98	1.72	2.18	1.88	2.39	2.05	2.59
$\frac{1}{8}$	.....	.....	1.67	2.11	1.83	2.32	2.00	2.54	2.17	2.75
$\frac{3}{16}$	.....	.....	1.71	2.17	1.89	2.39	2.06	2.62	2.24	2.84
$\frac{1}{4}$	.....	.....	1.74	2.20	1.94	2.45	2.13	2.70	2.33	2.95
$\frac{5}{16}$	.....	.....	1.75	2.22	1.96	2.48	2.17	2.75	2.38	3.02
PART II Average Results										
$\frac{1}{32}$	4.3	5.45	1.85	2.30	1.99	2.42	2.21	2.81	2.56	3.25
$\frac{1}{16}$	6.6	8.36	2.04	2.58	2.21	2.70	2.46	3.12	2.80	3.55
$\frac{1}{8}$	8.9	11.9	2.15	2.72	2.33	2.84	2.58	3.28	2.94	3.72
$\frac{3}{16}$	11.2	14.2	2.19	2.78	2.39	2.91	2.66	3.37	3.04	3.84
$\frac{1}{4}$	15.7	19.9	2.23	2.82	2.44	2.97	2.74	3.47	3.15	3.99
$\frac{5}{16}$	20.2	25.6	2.24	2.84	2.47	3.00	2.79	3.53	3.24	4.10
PART III Values for practical use: Average test values reduced by 20 per cent to allow for building up of pressure in room, etc.										
$\frac{1}{32}$	3.4	4.36	1.48	1.84	1.60	1.93	1.76	2.24	2.04	2.60
$\frac{1}{16}$	5.2	6.68	1.63	2.06	1.76	2.16	1.96	2.49	2.24	2.84
$\frac{1}{8}$	7.1	9.5	1.72	2.17	1.86	2.27	2.06	2.62	2.35	2.97
$\frac{3}{16}$	8.9	11.3	1.75	2.22	1.91	2.32	2.09	2.69	2.37	3.07
$\frac{1}{4}$	12.5	15.9	1.78	2.25	1.95	2.37	2.19	2.77	2.52	3.19
$\frac{5}{16}$	16.1	20.4	1.79	2.27	1.97	2.40	2.23	2.82	2.59	3.28