

Annual Air Leakage Cost savings with SnirtStopper Garage Door Seal

Building: 16.0 Foot Standard Garage Door bottom seal in a 24' x 22' x 9' Garage showing 120cfm leakage at 50pa = 6.10 cfm natural **Note:** Reduce savings by 50% for 8.0' door.

Test Equipment: Minneapolis Blower Door Model 3 with DG700 Digital Manometer Test by Solution Design, Fargo, ND

HDD		Firm Electricity Costs per Kwh @ 100% eff.				Nat. Gas Prices Retail @80% eff.				Heating Oil Retail @ 75% eff.				Bulk Propane Retail @ 80% eff.			
Fargo, ND	9092	\$0.09	\$0.10	\$0.11	\$0.12	\$0.60	\$0.80	\$1.00	\$1.20	\$3.40	\$3.60	\$3.80	\$4.00	\$1.60	\$1.80	\$2.00	\$2.20
<i>Indoor Temp</i>	35F	\$16.00	\$17.78	\$19.75	\$21.95	\$5.10	\$6.78	\$8.48	\$10.17	\$20.00	\$21.18	\$22.35	\$23.53	\$13.00	\$14.63	\$16.25	\$17.88
	40F	\$18.00	\$20.00	\$22.00	\$24.00	\$5.45	\$7.25	\$9.06	\$10.87	\$23.00	\$24.35	\$25.71	\$27.06	\$14.00	\$15.75	\$17.50	\$19.25
	45F	\$20.00	\$22.22	\$24.44	\$26.67	\$5.90	\$7.85	\$9.81	\$11.77	\$25.00	\$26.47	\$27.94	\$29.41	\$16.00	\$18.00	\$20.00	\$22.00
	50F	\$22.00	\$24.44	\$26.89	\$29.33	\$6.40	\$8.51	\$10.64	\$12.77	\$27.00	\$28.59	\$30.18	\$31.76	\$17.00	\$19.13	\$21.25	\$23.38
Bismarck, ND 8802																	
<i>Indoor Temp</i>	35F	\$15.49	\$17.21	\$18.78	\$20.65	\$4.94	\$6.57	\$8.21	\$9.85	\$19.36	\$20.50	\$21.64	\$22.84	\$12.59	\$14.16	\$15.73	\$17.30
	40F	\$17.43	\$19.36	\$21.30	\$23.43	\$5.28	\$7.02	\$8.77	\$10.53	\$22.27	\$23.60	\$24.91	\$26.30	\$13.55	\$15.25	\$16.94	\$18.64
	45F	\$19.36	\$21.51	\$23.66	\$26.03	\$5.71	\$7.60	\$9.50	\$11.40	\$24.20	\$25.65	\$27.08	\$28.58	\$15.49	\$17.43	\$19.36	\$21.30
	50F	\$21.30	\$23.66	\$26.03	\$28.63	\$6.20	\$8.24	\$10.30	\$12.36	\$26.14	\$27.71	\$29.25	\$30.87	\$16.46	\$18.51	\$20.57	\$22.63
Minneapolis 7876																	
<i>Indoor Temp</i>	35F	\$11.00	\$12.22	\$13.44	\$14.67	\$3.00	\$4.00	\$5.00	\$6.00	\$14.00	\$14.82	\$15.65	\$16.47	\$13.00	\$14.63	\$16.25	\$17.88
	40F	\$13.00	\$14.44	\$15.89	\$17.33	\$3.70	\$4.93	\$6.17	\$7.40	\$16.00	\$16.94	\$17.88	\$18.82	\$11.00	\$12.38	\$13.75	\$15.13
	45F	\$14.00	\$15.56	\$17.11	\$18.67	\$4.15	\$5.53	\$6.92	\$8.30	\$18.00	\$19.06	\$20.12	\$21.18	\$10.00	\$11.25	\$12.50	\$13.75
	50F	\$16.00	\$17.78	\$19.56	\$21.33	\$5.00	\$6.67	\$8.33	\$10.00	\$20.00	\$21.18	\$22.35	\$23.53	\$9.00	\$10.13	\$11.25	\$12.38
Duluth, MN 9724																	
<i>Indoor Temp</i>	35F	\$16.00	\$17.78	\$19.56	\$21.33	\$5.15	\$6.87	\$8.58	\$10.30	\$20.00	\$21.18	\$22.35	\$23.53	\$13.20	\$14.85	\$16.50	\$18.15
	40F	\$18.00	\$20.00	\$22.00	\$24.00	\$5.50	\$7.33	\$9.17	\$11.00	\$22.00	\$23.29	\$24.59	\$25.88	\$14.25	\$16.03	\$17.81	\$19.59
	45F	\$19.45	\$21.61	\$23.77	\$25.93	\$5.95	\$7.93	\$9.92	\$11.90	\$24.45	\$25.89	\$27.33	\$28.76	\$16.30	\$18.34	\$20.38	\$22.41
	50F	\$21.30	\$23.67	\$26.03	\$28.40	\$6.45	\$8.60	\$10.75	\$12.90	\$26.35	\$27.90	\$29.45	\$31.00	\$17.70	\$19.91	\$22.13	\$24.34
Internl Falls, MN 10269																	
<i>Indoor Temp</i>	35F	\$18.00	\$19.98	\$21.98	\$23.98	\$5.25	\$6.98	\$8.73	\$10.47	\$20.40	\$21.60	\$22.80	\$24.00	\$13.45	\$15.13	\$16.81	\$18.49
	40F	\$18.90	\$20.98	\$23.08	\$25.17	\$5.55	\$7.38	\$9.23	\$11.07	\$22.60	\$23.93	\$25.26	\$26.59	\$14.70	\$16.54	\$18.38	\$20.21
	45F	\$21.00	\$23.31	\$25.64	\$27.97	\$6.00	\$7.98	\$9.98	\$11.97	\$25.00	\$26.47	\$27.94	\$29.41	\$16.80	\$18.90	\$21.00	\$23.10
	50F	\$22.30	\$24.75	\$27.23	\$29.70	\$6.55	\$8.71	\$10.89	\$13.07	\$26.85	\$28.43	\$30.01	\$31.59	\$18.20	\$20.48	\$22.75	\$25.03
Sioux Falls, SD 7812																	
<i>Indoor Temp</i>	35F	\$11.00	\$12.10	\$13.31	\$14.52	\$3.00	\$3.99	\$4.99	\$5.99	\$14.00	\$14.78	\$15.56	\$16.42	\$8.75	\$9.84	\$10.94	\$12.03
	40F	\$13.00	\$14.35	\$15.79	\$17.22	\$3.65	\$4.85	\$6.07	\$7.28	\$15.90	\$16.84	\$17.77	\$18.76	\$9.85	\$11.08	\$12.31	\$13.54
	45F	\$14.00	\$15.40	\$16.94	\$18.48	\$4.10	\$5.45	\$6.82	\$8.18	\$17.85	\$18.90	\$19.95	\$21.06	\$11.00	\$12.38	\$13.75	\$15.13
	50F	\$16.00	\$17.50	\$19.25	\$21.00	\$4.90	\$6.52	\$8.15	\$9.78	\$19.80	\$20.96	\$22.13	\$23.36	\$12.95	\$14.57	\$16.19	\$17.81

	HDD	Firm Electricity Costs per Kwh @ 100% eff.				Nat. Gas Prices Retail @80% eff.				Heating Oil Retail @ 75% eff.				Bulk Propane Retail @ 80% eff.			
Pierre, SD	7282	\$0.09	\$0.10	\$0.11	\$0.12	\$0.60	\$0.80	\$1.00	\$1.20	\$3.40	\$3.60	\$3.80	\$4.00	\$1.60	\$1.80	\$2.00	\$2.20
<i>Indoor Temp</i>	35F	\$9.85	\$10.93	\$12.03	\$13.12	\$2.65	\$3.52	\$4.41	\$5.29	\$12.35	\$13.08	\$13.80	\$14.53	\$8.20	\$9.23	\$10.25	\$11.28
	40F	\$11.00	\$12.21	\$13.43	\$14.65	\$3.00	\$3.99	\$4.99	\$5.99	\$14.00	\$14.82	\$15.65	\$16.47	\$8.75	\$9.84	\$10.94	\$12.03
	45F	\$13.00	\$14.43	\$15.87	\$17.32	\$3.65	\$4.85	\$6.07	\$7.28	\$15.90	\$16.84	\$17.77	\$18.71	\$9.85	\$11.08	\$12.31	\$13.54
	50F	\$14.00	\$15.54	\$17.09	\$18.65	\$4.10	\$5.45	\$6.82	\$8.18	\$17.85	\$18.90	\$19.95	\$21.00	\$11.00	\$12.38	\$13.75	\$15.13
Omaha, NE	6153																
<i>Indoor Temp</i>	35F	\$6.80	\$7.55	\$8.30	\$9.06	\$3.25	\$4.32	\$5.40	\$6.48	\$8.20	\$8.68	\$9.16	\$9.65	\$5.45	\$6.13	\$6.81	\$7.49
	40F	\$8.00	\$8.88	\$9.77	\$10.66	\$3.45	\$4.59	\$5.74	\$6.88	\$10.10	\$10.69	\$11.29	\$11.88	\$7.25	\$8.16	\$9.06	\$9.97
	45F	\$9.85	\$10.93	\$12.03	\$13.12	\$2.55	\$3.39	\$4.24	\$5.09	\$12.00	\$12.71	\$13.41	\$14.12	\$8.10	\$9.11	\$10.13	\$11.14
	50F	\$11.30	\$12.54	\$13.80	\$15.05	\$2.00	\$2.66	\$3.33	\$3.99	\$14.10	\$14.93	\$15.76	\$16.59	\$9.20	\$10.35	\$11.50	\$12.65
Billings, MT	7006																
<i>Indoor Temp</i>	35F	\$9.30	\$10.32	\$11.36	\$12.39	\$2.50	\$3.33	\$4.16	\$4.99	\$11.88	\$12.58	\$13.28	\$13.98	\$7.89	\$8.77	\$9.86	\$10.85
	40F	\$11.00	\$12.21	\$13.43	\$14.65	\$2.85	\$3.79	\$4.74	\$5.69	\$13.47	\$14.26	\$15.05	\$15.85	\$8.42	\$9.47	\$10.65	\$11.72
	45F	\$12.30	\$13.65	\$15.02	\$16.38	\$3.40	\$4.52	\$5.65	\$6.78	\$15.30	\$16.20	\$17.10	\$18.00	\$9.48	\$10.66	\$11.99	\$13.19
	50F	\$14.00	\$15.54	\$17.09	\$18.65	\$4.00	\$5.32	\$6.65	\$7.98	\$17.17	\$18.18	\$19.19	\$20.20	\$10.58	\$11.91	\$13.39	\$14.73

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