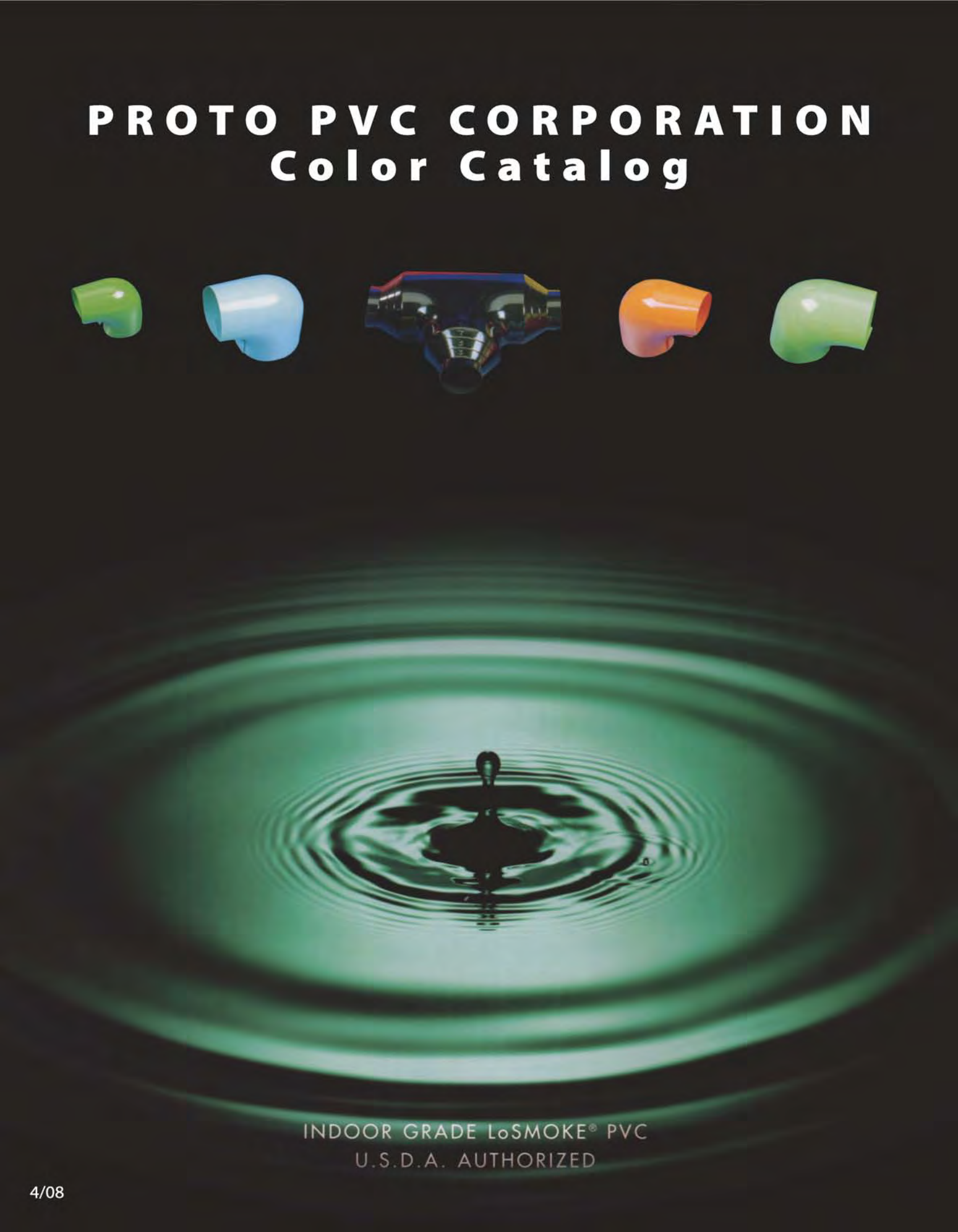
PROTO PVC CORPORATION
Color Catalog



INDOOR GRADE LoSMOKE® PVC
U.S.D.A. AUTHORIZED

4/08

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LoSMOKE® 160° F PVC 25/50 RATED INDOOR COLORS

Proto Corp. offers 13 standard colors in USDA compliant indoor LoSmoke PVC.

In addition, we will color match special order colors to a sample provided by the customer. A laboratory color sample will be submitted to the customer for approval.

Special order colors are not returnable. Pricing on any special orders will vary in accordance with pigment costs and quantity ordered. The minimum quantity order required is 2,000 lbs.

Contact your sales representative or our factory with any special color needs you may have.

We do not recommend these colors outdoors because of fading and puckering from solar heat absorption. Heat deflection temperature of PVC is 160° F. Softening will occur at lower temperatures.

Please refer to main catalog for installation recommendations.

SIZING CHART FOR PVC FITTING COVERS

BASED ON O.D. PIPE INSULATION CONFORMING TO ASTM STD C-585-76

COMBINATION SHORT & LONG RADIUS FITTING COVERS IN COMPLIANCE WITH ASTM STANDARDS

INSULATION THICKNESS

Iron Pipe Size	1/2"	OCF	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	5 1/2"	6"
3/8"	# 2		# 7	# 9						WHERE # FITTINGS ARE NOT SHOWN ON THESE CHARTS, GO TO CHART IN THE MAIN CATALOG AND SELECT # FITTING FROM MAX O.D.		
1/2"	3		7	10	# 12	# 15	# 17	#18	# 19			
3/4"	4	# 5	7	10	12	15	17	18	19			
1"	5		9	11	13	15	17	18	19			
1 1/4"	6	7	9	12	13	15	17	18	19			
1 1/2"	7		10	12	15	17	18	19	20			
2"	9		11	13	15	17	18	19	20	#22	# 23	# 23
2 1/2"	10		12	15	17	18	19	20	21	22	23	24
3"	11		13	15	17	18	19	20	21	23	24	25
3 1/2"	12		15	17	18	19	20	21	22	23	24	25
4"	13		15	17	18	19	20	21	22	24	25	26
5"	15		17	18	19	20	21	22	23	25	26	27
6"	17		18	19	20	21	22	23	24	26	27	28
8"	19		20	21	22	23	24	25	26	28	29	30
10"			22	23	24	25	26	27	28	30	31	32
12"			24	25	26	27	28	29	30	32	34	34
14"			25	26	27	28	29	30	31	33	34	35
16"			27	28	29	30	31	32	33	35	36	37
18"			29	30	31	32	33	34	35	37	38	39
20"			31	32	33	34	35	36	37	39	40	41
22"			33	34	35	36	37	38	39	41	42	43
24"			35	36	37	38	39	40	41	43	44	45

The above are combination sizes that fit short and long radius screwed and welded elbows, long radius weld ells, and screwed and welded tees. Fitting sizes below the dark line will not fit most long radius 90 degree Elbows properly; order fitting covers for these long radius 90 degree sizes by specific pipe size and insulation thickness. The above combination sizes will fit all 45 degree elbows. To find exact number fitting required for your max O.D., go to chart in the main catalog and choose fitting number in column next to Max Fitting O.D. column.

INSULATION THICKNESS

Copper Tubing Size	ACTUAL O.D.	1/2"	OCF	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	5 1/2"	6"
3/8"	1/2"			# 5	# 9	# 11	# 13	# 15	FOR CARVED PIPE INSULATION CHECK MAX. O.D. AGAINST FITTING # SHOWN IN MAIN CATALOG CHART				
1/2"	5/8"	# 2	# 3	7	9	11	13	15					
3/4"	7/8"	3	3	7	10	12	15	17	# 18	# 19			
1"	1 1/8"	4	5	7	10	12	15	17	18	19			
1 1/4"	1 3/8"	5	5	9	11	13	15	17	18	19			
1 1/2"	1 5/8"	6	7	9	12	13	15	17	18	19			
2"	2 1/8"	8	9	10	12	15	17	18	19	20	# 22	# 23	# 23
2 1/2"	2 5/8"	9	10	11	13	15	17	18	19	20	22	23	24
3"	3 1/8"	10	11	12	15	17	18	19	20	21	23	24	25
3 1/2"	3 5/8"	11	11	13	15	17	18	19	20	21	23	24	25
4"	4 1/8"	12	13	15	17	18	19	20	21	22	24	25	26
5"	5 1/8"	14	15	17	18	19	20	21	22	23	25	26	27
6"	6 1/8"	16	17	18	19	20	21	22	23	24	26	27	28



PVC INDOOR COLOR FITTING COVER

Price Lists

PROTO PVC CORPORATION

PROTO PVC CORP™

LIST PRICES

INDOOR COLOR SHORT RADIUS 90° DEGREE AND 45 DEGREE PVC COVERS

Use a Proto sizing chart-- ASTM Insulation Std. C-585-76--USDA Authorized PVC
One & Two Piece Lo-Smoke Grade Passes 25/50 ASTM E-84 Rated PVC Std. Light
Guage Commercial Thickness, Indoor Color PVC

INDOOR COLOR PVC

Fits O.D. MAX.	ONE PIECE PVC COVER SIZE	90° SHORT RADIUS ELBOWS: PVC WITH F/G INSERTS LIST- *PCS/	90° SHORT RADIUS ELBOWS: PVC ONLY NO INSERTS LIST- *PCS/	90° SHORT RADIUS ELBOWS: FIBERGLASS INSERTS ONLY LIST- *PCS/ CTN	45° DEGREE ELBOWS: PVC WITH F/G INSERTS LIST- *PCS/	45° DEGREE ELBOWS: PVC ONLY NO INSERTS LIST- *PCS/	45° DEGREE ELBOWS: FIBERGLASS INSERTS ONLY LIST- *PCS/ CTN		ONE PIECE PVC COVER SIZE	Fits O.D. MAX.
1 5/8"	#2	$0.85	$0.60	**1" THICK**					#2	1 5/8"
1 7/8"	#3	$1.04	$0.79						#3	1 7/8"
2 1/8"	#4	$1.17	$0.92	$ .16- 100					#4	2 1/8"
2 3/8"	#5	$1.29	$1.16						#5	2 3/8"
2 5/8"	#6	$1.40	$1.29						#6	2 5/8"
2 7/8"	#7	$1.48	$1.31	.18- 100					#7	2 7/8"
3 1/8"	#8	$1.68	$1.50						#8	3 1/8"
3 1/2"	#9	$1.87	$1.66	.21- 100					#9	3 1/2"
4"	#10	$2.35	$2.09						#10	4"
4 1/2"	#11	$2.85	$2.48	.36- 60					#11	4 1/2"
5"	#12	$3.33	$2.94	.48- 60					#12	5"
5 9/16"	#13	$4.39	$3.90	1 1/2" $.050-60					#13	5 9/16"
6 1/8"	#14	$7.32	$6.58						#14	6 1/8"
6 5/8"	#15	$7.71	$6.94	.69- 60					#15	6 5/8"
7 1/8"	#16	$9.63	$8.68						#16	7 1/8"
7 5/8"	#17	$10.13	$8.97						#17	7 5/8"
8 5/8"	#18	$13.01	$11.71	1.43- 20					#18	8 5/8"
9 5/8"	#19	$17.39	$15.65	1.68- 20	1 1/2" THICK		1 1/2" THICK		#19	9 5/8"
10 3/4"	#20	$23.57	$19.41	2.46- 20	$21.33	$19.38	$2.28	10	#20	10 3/4"
11 3/4"	#21	$26.83	$22.24	2.81- 10	$23.53	$21.39	2.51	10	#21	11 3/4"
12 3/4"	#22	$33.42	$28.08	3.48- 10	$26.26	$23.87	2.80	10	#22	12 3/4"
14"	#23	$38.21	$32.10	3.99- 10	$29.87	$27.27	3.19	10	#23	14"
15"	#24	$41.94	$34.50	4.38- 10	$32.18	$29.26	3.43	10	#24	15"
16"	#25	$46.19	$37.65	4.82- 5	$36.78	$33.42	3.92	5	#25	16"
17"	#26	$50.80	$41.78	5.30 5	$41.41	$37.64	4.42	5	#26	17"
18"	#27	$64.16	$53.89	6.70- 5	$50.58	$45.99	4.80	5	#27	18"
19"	#28	$88.84	$73.16	9.27- 5	$68.98	$62.73	7.36	5	#28	19"
20"	#29	$114.47	$94.03	11.95- 5	$78.18	$71.06	7.42	5	#29	20"
21"	#30	$140.11	$114.96	13.80	$91.96	$83.59	9.84		#30	21"
22"	#31	$148.28	$128.10	14.60	$103.43	$94.03	11.03		#31	22"
23"	#32	$156.00	$141.82	15.36	$114.97	$104.52	12.27		#32	23"
24"	#33	$177.13	$148.79	17.44	$126.44	$114.96	13.49		#33	24"
25"	#34	$195.00	$163.80	19.20	$149.42	$132.59	14.73		#34	25"
26"	#35	$211.25	$177.45	20.80	$160.30	$138.13	15.95		#35	26"
27"	#36	$227.50	$191.10	22.40	$169.13	$143.33	17.23		#36	27"
28"	#37	$243.75	$204.75	24.00	$181.21	$153.57	18.03		#37	28"
29"	#38	$260.00	$218.40	25.60					#38	29"
30"	#39	$276.25	$232.05	27.20					#39	30"
31"	#40				$218.88	$187.69	26.03		#40	31"
32"	#41				$232.05	$199.88	28.15		#41	32"
33"	#42				$233.51	$206.78	30.65		#42	33"

45° DEGREE ELBOW PRICING AND PACKAGING ARE THE SAME AS THE 90° DEGREE ELBOWS SHOWN IN THE TABLE TO THE LEFT UP TO AND INCLUDING #19 LARGER SIZES ARE PRICED DIFFERENTLY

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

LIST PRICES

INDOOR COLOR TEE, VALVES AND END CAP PVC COVERS

ASTM Insulation Std. C-585-76--USDA Authorized PVC
One & Two Piece Lo-Smoke Grade Passes 25/50 ASTM E-84 Rated PVC Std. Light Guage Commercial Thickness, Indoor Color PVC

INDOOR COLOR PVC

Fits O.D. MAX.	ONE PIECE PVC COVER SIZE	TEE / VALVES: PVC WITH F/G INSERTS LIST-PCS/	TEE / VALVES: PVC ONLY NO INSERTS LIST-PCS/	TEE / VALVES: FIBERGLASS INSERTS ONLY LIST-PCS/	TEE / VALVES: FIBERGLASS INSERTS ONLY LIST-CTN	END CAPS- STANDARD, ROUND OR FLAT: PVC WITH F/G INSERTS LIST-PCS/	END CAPS- STANDARD, ROUND OR FLAT: PVC ONLY NO INSERTS LIST-PCS/	END CAPS- STANDARD, ROUND OR FLAT: FIBERGLASS INSERTS ONLY LIST-PCS/	END CAPS- STANDARD, ROUND OR FLAT: FIBERGLASS INSERTS ONLY LIST-CTN	ONE PIECE PVC COVER SIZE	Fits O.D. MAX.
1 5/8"	#2	$ 1.60	$ 1.43	**1" THICK**		$ 0.27	$ 0.23	0.13	50	#2	1 5/8"
1 7/8"	#3	$ 1.81	$ 1.57	0.17		$ 0.31	$ 0.26	0.16	50	#3	1 7/8"
2 1/8"	#4	$ 1.96	$ 1.77			$ 0.46	$ 0.38	0.18	50	#4	2 1/8"
2 3/8"	#5	$ 2.15	$ 1.92	.19--25		$ 0.52	$ 0.44	0.25	50	#5	2 3/8"
2 5/8"	#6	$ 2.35	$ 2.12			$ 0.72	$ 0.60	0.41	50	#6	2 5/8"
2 7/8"	#7	$ 2.57	$ 2.29	.23--25		$ 0.86	$ 0.72	0.49	50	#7	2 7/8"
3 1/8"	#8	$ 2.94	$ 2.65			$ 1.04	$ 0.86	0.56	50	#8	3 1/8"
3 1/2"	#9	$ 3.35	$ 3.00	.31--25		$ 1.17	$ 0.98	0.65	50	#9	3 1/2"
4"	#10	$ 3.95	$ 3.55			$ 1.34	$ 1.11	0.74	50	#10	4"
4 1/2"	#11	$ 4.93	$ 4.43	.45--25		$ 1.47	$ 1.22	0.82	50	#11	4 1/2"
5"	#12	$ 5.92	$ 5.34	.53--25		$ 1.57	$ 1.31	0.87	50	#12	5"
5 9/16"	#13	$ 7.87	$ 7.07	**1 1/2"** .72--25		$ 2.18	$ 1.82	1.21	25	#13	5 9/16"
6 1/8"	#14	$ 10.34	$ 9.30		25	$ 3.04	$ 2.54	1.70	25	#14	6 1/8"
6 5/8"	#15	$ 12.79	$ 11.51	1.34	15	$ 3.94	$ 3.29	2.15	25	#15	6 5/8"
7 1/8"	#16	$ 20.67	$ 18.59			$ 4.78	$ 3.98	2.64	25	#16	7 1/8"
7 5/8"	#17	$ 22.66	$ 20.40	2.36	15	$ 5.27	$ 4.39	2.87	25	#17	7 5/8"
8 5/8"	#18	$ 27.56	$ 24.80			$ 6.08	$ 5.07	3.36	25	#18	8 5/8"
9 5/8"	#19	$ 32.50	$ 29.24	3.39	10	$ 6.86	$ 5.72	3.83	25	#19	9 5/8"
10 3/4"	#20	$ 36.54	$ 32.89	3.82	5	$ 7.98	$ 6.64	4.31	25	#20	10 3/4"
11 3/4"	#21	$ 40.60	$ 36.53	4.24	5	$ 8.94	$ 7.45	4.80	25	#21	11 3/4"
12 3/4"	#22	$ 44.66	$ 40.18	4.66	5	$ 9.46	$ 7.88	5.26	15	#22	12 3/4"
14"	#23	$ 48.75	$ 43.86	5.09	5	$ 10.65	$ 8.88	5.78	15	#23	14"
15"	#24	$ 52.79	$ 47.50	5.51	5	$ 11.96	$ 9.96	6.39	15	#24	15"
16"	#25	$ 56.88	$ 51.16	5.94	5	$ 13.05	$ 10.87	7.01	15	#25	16"
17"	#26	$ 60.92	$ 54.78	6.36	5	$ 14.86	$ 12.39	8.00	15	#26	17"
18"	#27	$ 66.99	$ 60.29	7.00	5	$ 17.28	$ 14.40	9.44	15	#27	18"
19"	#28	$ 73.07	$ 65.78	7.63	5	$ 20.61	$ 17.17	11.24	15	#28	19"
20"	#29	$ 79.17	$ 72.48	8.37	5	$ 22.14	$ 18.45	11.98	15	#29	20"
21"	#30	SELECT LARGER SIZE TEE / VALVE COVERS FROM THE REDUCER TEE CHART AND PRICE LIST ON PAGE 7.				$ 23.71	$ 19.76	12.70	5	#30	21"
22"	#31					$ 27.09	$ 22.57	14.52	5	#31	22"
23"	#32					$ 29.24	$ 24.36	15.69	5	#32	23"
24"	#33					$ 32.47	$ 27.05	17.47	5	#33	24"
25"	#34					$ 34.62	$ 28.85	18.55	5	#34	25"
26"	#35					$ 36.66	$ 30.55	19.66	5	#35	26"
27"	#36					$ 38.71	$ 32.25	20.78	5	#36	27"
28"	#37					$ 40.76	$ 33.97	21.89	5	#37	28"
29"	#38					$ 42.81	$ 35.67	22.95	5	#38	29"
30"	#39					$ 44.85	$ 37.38	24.06	5	#39	30"
31"	#40					$ 46.80	$ 39.00	25.12	5	#40	31"
32"	#41					$ 50.70	$ 42.25	27.19	5	#41	32"

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

90* Long Radius PVC Fitting Covers

1 1/2 X Pipe Size = Centerline Radius; 1-piece -or- 2-piece covers; same price

LIST PRICES — INDOOR COLOR

NO. OF PCS.	FITTING SIZE LONG RADIUS	WITH INSERTS	WITHOUT INSERTS PVC ONLY
1/2" THICK INSERT FURNISHED			
1	2 X 1/2	2.03	1.76
1	2 1/2 X 1/2	3.03	2.60
1	3 X 1/2	4.39	3.12
1	4 X 1/2	5.41	4.72
1	5 X 1/2	8.53	7.40
1	6 X 1/2	12.74	11.44
1	8 X 1/2	20.53	17.72
1" THICK INSERT FURNISHED			
1,2	2 X 1	2.70	2.35
1	2 1/2 X 1	3.91	3.42
1,2	3 X 1	4.86	4.23
1,2	4 X 1	8.06	7.02
1,2	5 X 1	9.88	8.59
1,2	6 X 1	15.00	13.05
1,2	8 X 1	21.63	18.82
1,2	10 X 1	25.92	22.54
1,2	12 X 1	34.58	30.08
1,2	14 X 1	49.71	43.23
1,2	16 X 1	86.49	75.21
2	18 X 1	110.25	95.88
2	20 X 1	140.66	127.84
2	24 X 1	172.42	154.17
4	30 X 1	324.03	239.37
1 1/2" THICK INSERT FURNISHED			
2	1 1/2 X 1 1/2	4.02	3.50
1,2	2 X 1 1/2	4.49	3.90
1,2	2 1/2 X 1 1/2	6.54	5.69
1,2	3 X 1 1/2	8.07	7.03
2	3 1/2 X 1 1/2	9.43	8.20
1,2	4 X 1 1/2	10.76	9.36
1,2	5 X 1 1/2	13.49	11.74
1,2	6 X 1 1/2	17.76	15.46
1,2	8 X 1 1/2	23.70	20.61
1,2	10 X 1 1/2	34.58	30.08
1,2	12 X 1 1/2	45.41	39.49
1,2	14 X 1 1/2	62.70	54.52
2	16 X 1 1/2	92.95	80.83
2	18 X 1 1/2	120.11	104.44
2	20 X 1 1/2	146.82	133.46
** 2	22 X 1 1/2	180.60	148.37
2	24 X 1 1/2	224.25	159.81
4	26 X 1 1/2	313.95	273.00
4	30 X 1 1/2	330.45	279.67
4	36 X 1 1/2	453.05	369.85
2" THICK			
1,2	2 X 2	9.36	7.80
1,2	2 1/2 X 2	10.73	8.94
1,2	3 X 2	11.25	9.37
1,2	4 X 2	15.02	12.52
1,2	5 X 2	18.76	15.64
1,2	6 X 2	25.78	21.49
1,2	8 X 2	33.84	28.20
1,2	10 X 2	39.49	32.90
1,2	12 X 2	54.13	45.11
1,2	14 X 2	72.19	60.16
2	16 X 2	108.29	90.26
2	18 X 2	140.73	117.27
2	20 X 2	166.92	139.10
2	24 X 2	224.25	159.81
4	30 X 2	334.67	250.82

NO. OF PCS.	FITTING SIZE LONG RADIUS	WITH INSERTS	WITHOUT INSERTS PVC ONLY
2 1/2" THICK			
2	3 X 2 1/2	15.54	11.70
2	4 X 2 1/2	20.33	15.65
2	5 X 2 1/2	25.19	19.38
1,2	6 X 2 1/2	28.91	22.24
2	8 X 2 1/2	41.74	32.10
1,2	10 X 2 1/2	49.86	38.35
1,2	12 X 2 1/2	63.84	49.13
2	14 X 2 1/2	94.74	79.79
2	16 X 2 1/2	128.38	100.75
2	18 X 2 1/2	154.22	130.00
*	20 X 2 1/2		
2	24 X 2 1/2	234.32	174.69
3" THICK			
2	3 X 3	20.33	15.65
2	4 X 3	25.19	19.38
2	5 X 3	28.91	22.24
1,2	6 X 3	36.50	28.08
1,2	8 X 3	45.80	35.23
1,2	10 X 3	54.93	42.25
1	12 X 3	65.99	50.77
1	14 X 3	98.02	75.40
2	16 X 3	141.75	109.04
2	18 X 3	158.87	122.21
**2	20 X 3	197.21	151.71
2	24 X 3	244.37	187.98
4	30 X 3	343.20	260.00
3 1/2" THICK			
2	4 X 3 1/2	30.03	22.24
2	6 X 3 1/2	43.33	32.10
2	8 X 3 1/2	52.36	38.79
2	10 X 3 1/2	72.74	53.89
1	12 X 3 1/2	92.86	72.02
2	14 X 3 1/2	121.73	90.17
2	16 X 3 1/2	176.38	130.65
2	18 X 3 1/2	197.98	146.65
4	20 X 3 1/2		
2	24 X 31/2	304.51	225.56
4" THICK			
2	5 X 4	43.33	32.10
2	6 X 4	47.55	35.23
2	8 X 4	57.04	42.25
2	10 X 4	80.00	59.27
1	12 X 4	100.50	78.66
2	10 X 5	105.63	95.88
**4	20 X 4	258.32	191.36

* CALL FACTORY FOR PRICES AND AVAILABILITY

** REDUCES TO FIT 22 X 1
** REDUCES TO FIT 20 X 2 1/2
** REDUCES TO FIT 20 X 3 1/2

NOTE: INDUSTRY STANDARD FOR THE 2 1/2" X 1 1/2" TO 2 1/2" X 4" THICK INSULATION IS THE SAME AS THE 3" X 1 1/2" TO 2" THICK INSULATION. PROTO FITTING COVERS FOR THE 2 1/2" IPS LR-90 DEGREES ARE THE ACTUAL O.D. OF THE PIPE AND INSULATION THICKNESS AND ARE SMALLER THAN THE 3" IPS COVERS. CUSTOMERS NEED TO VERIFY THE O.D. OF THE INSULATION BEFORE PLACING AN ORDER FOR THIS ITEM.

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM & NOT RETURNABLE

PROTO PVC CORP™

REDUCER 90 DEGREE - 45 DEGREE-TEES ("R"-SERIES)

INDOOR COLOR PVC

USDA Authorized-LoSmoke 25/50 Rated PVC

Used wherever metal portion of fitting protrudes not allowing sufficient insulation, usually on screwed or welded socket fittings.

TEE BODY LENGTH	FITTING NUMBER	INSUL. O.D.	LIST PRICE PVC COVERS ONLY			RED. END O.D.
			90° S.R.	45° (ALL)	TEE	
4 1/4"	3R	1 7/8"	1.63	1.63	2.68	# 2
4 3/4"	5R	2 3/8"	2.12	2.12	3.17	# 3
5 3/8"	7R	2 7/8"	2.44	2.44	3.74	# 3
	8R	3 1/8"	USE #9R+CUT RED. END TO SIZE			# 3
6"	9R	3 1/2"	2.85	2.85	4.47	# 3
6 1/2"	10R	4"	3.17	3.17	4.95	# 3
7"	11R	4 1/2"	4.23	4.23	6.25	# 3
7 1/2"	12R	5"	5.37	5.37	8.85	# 7
10 1/2"	13R	5 9/16"	6.67	6.67	10.97	# 7
	14R	6 1/8"	USE #15R+CUT RED. END TO SIZ			# 9
12"	15R	6 5/8"	12.27	12.27	16.98	# 9
	16R	7 1/8"	USE #17R+CUT RED. END TO SIZ			# 9
13 1/2"	17R	7 5/8"	13.17	13.17	27.30	# 9
15 1/2"	18R	8 5/8"	15.35	15.35	33.64	# 9
17"	19R	9 5/8"	23.40	20.15	39.00	# 11
18 1/4"	20R	10 3/4"	27.22	25.19	43.88	# 11
20"	21R	11 3/4"	32.18	28.85	48.75	# 11
21"	22R	12 3/4"	37.87	34.62	54.44	# 12
23"	23R	14"	42.98	39.25	58.50	# 15
22 3/8"	24R	15"	46.64	42.50	61.92	# 15
25"	25R	16"	51.10	46.72	68.25	# 15
20 3/4"	26R	17"	55.69	52.00	74.10	# 18
28"	27R	18'	65.00	60.13	84.83	# 22
40"	28R	19"	89.38	75.32	103.74	# 20
38"	29R	20"	105.63	91.00	129.68	# 22
46"	30R	21"	121.88	110.50	155.61	# 22
44"	31R	22"	138.13	133.25	183.63	# 23
38"	32R	23"	157.63	152.75	209.63	# 26
54"	33R	24"	177.13	170.63	235.63	# 25
47"	34R	25"	195.00	186.88	251.88	#27
48"	35R	26"	211.25	203.13	268.13	#27
62"	36R	27"	227.50	219.38		# 25
44"	37R	28"	243.75	227 50	300.63	# 29
60"	39R	30"		260.00		# 27

NOTE: NO INSULATION IS FURNISHED WITH THESE PVC COVERS. Add 15% to List Prices for fiberglass inserts desired.

NOTE: Color material is a special order item and is not returnable

* Contact factory for availablity

PROTO PVC CORP™

FLANGED 90 DEGREE-&-TEES ("S"-SERIES)

INDOOR COLOR PVC

USDA Authorized-LoSmoke 25/50 Rated PVC

Used wherever metal portion of fitting protrudes not allowing sufficient insulation, usually on screwed or welded socket fittings.

TEE BODY LENGTH	FITTING NUMBER	INSUL. O.D.	LIST PRICE PVC COVERS ONLY			RED. END O.D.
			90° S.R.		TEE	
10 1/2"	13S	5 9/16"	6.67		10.97	# 7
	14S	6 1/8"	**USE #15S+CUT RED. END TO SIZE**			# 9
12"	15S	6 5/8"	12.27		16.98	# 9
	16S	7 1/8"	**USE #17S+CUT RED. END TO SIZE**			# 9
13 1/2"	17S	7 5/8"	13.17		27.30	# 9
15 1/2"	18S	8 5/8"	15.35		33.64	# 9
17"	19S	9 5/8"	23.40		39.00	# 11
18 1/4"	20S	10 3/4"	27.22		43.88	# 11
20"	21S	11 3/4"	32.18		48.75	# 11
21"	22S	12 3/4"	37.87		54.44	# 12
23"	23S	14"	42.98		58.50	# 15
22 3/8"	24S	15"	46.64		61.92	# 15
25"	25S	16"	51.10		68.25	# 15
20 3/4"	26S	17"	55.69		74.10	# 18
28"	27S	18'	65.00		84.83	# 22
40"	28S	19"	89.38		103.74	# 20
38"	29S	20"	105.63		129.68	# 22
46"	30S	21"	121.88		155.61	# 22
38"	32S	23"	157.63		209.63	# 26
54"	33S	24"	177.13		235.63	# 25
47"	34S	25"			251.88	#27
48"	35S	26"	211.25		268.13	# 27
44"	37S	28"			300.63	# 29
60"	39S	30"	276.25		*	# 27

NOTE: NO INSULATION IS FURNISHED WITH THESE PVC COVERS.

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

* Contact factory

PROTO PVC CORP™

INDOOR COLOR PVC

MECHANICAL GROOVED COUPLING COVERS

ORDERING INFORMATION	MECHANICAL GROOVED COUPLING COVER	
FITTING NUMBER	W/INSERT	W/O INSERT
# 5-6 G-CPLG	4.95	4.47
# 7-8-9 G-CPLG	6.10	5.60
# 10-11-12 G-CPLG	8.50	7.66
# 13 G-CPLG	9.57	8.62
# 14-15 G-CPLG	11.70	10.53
# 16-17 G-CPLG	13.83	12.45
# 18 G-CPLG	17.03	15.99
# 19-20 G-CPLG	20.23	18.20
# 21-22 G-CPLG	25.53	22.98
# 23-24 G-CPLG	31.95	28.74
# 25-26 G-CPLG	42.56	38.32
# 27-30 G-CPLG	54.35	48.92
# 31-33 G-CPLG	63.87	57.53
# 34-36 G-CPLG	79.22	71.34
#37-39 G-CPLG	96.12	86.54

MECH GROOVED LATERAL 45 - "Y"			TRUE "Y"	
Ordering Info Size / Type	With Insert	Without Insert	With Insert	Without Insert
	$	$	$	$
3" G Y-45	23.70	19.75		
4" G Y-45	34.91	29.09		
5" G Y-45	40.76	33.97		
6" G Y-45	50.51	42.09		
8" G Y-45	60.26	50.22		
10" G Y-45	72.58	62.57	73.32	63.22
12" G Y-45	92.47	79.70		

90-45 DEGREE LONG RADIUS
MECHANICAL GROOVED ELBOW COVERS

Size X (Max. Insul.)	List Price w/Insert	List Price w/o Insert
3X1 1/2 LR G-90	22.02	20.23
* 4X1 1/2 LR G-90	27.30	23.48
* 6X2 LR G-90	41.93	38.84
* 8X2 LR G-90	66.22	60.20
* 10X2 LR G-90	97.90	88.73
* 12X2 1/2 LR G-90	111.59	100.75
* 14X2 1/2 LR G-90	125.27	112.76
* 16X3 1/2 LR G-90	178.27	170.14
18X3 1/2 LR G-90	199.68	182.57
20X3 1/2 LR G-90	221.00	195.00

90-45 DEGREE LONG RADIUS
MECHANICAL GROOVED ELBOW COVERS

Size X (Max. Insul.)	List Price w/Insert	List Price w/o Insert
2 X 2 LR-V-90	19.42	17.63
3 X 2 LR-V-90	22.01	20.24
*4 X 2 LR-V-90	27.30	23.49
*5 X 2 LR-V-90	40.09	34.62
2 X 2 LR-V-45	16.10	14.95
3 X 2 LR-V-45	19.55	17.86
14 X 2 1/2 LRG45	121.72	107.08
18 X 3 1/2 LRG45	176.47	162.34
20 X 3 1/2 LRG45	202.85	182.20

* 90 DEGREE LONG RADIUS COVERS WILL FIT 45 DEGREE LONG RADIUS BY CUTTING THE BODY SECTION DOWN THE MIDDLE AND OVER LAPPING TO FIT.

NOTE: COLOR MATERIAL IS A SPECIAL ORDER AND IS NOT RETURNABLE

PROTO PVC CORP™

VICTAULIC - GRUVLOK

INDOOR COLOR PVC

MACH. GROOVED SHORT RADIUS 90* - 45* ELBOWS, TEES

90			
IPS Size	Insul. Thk	With insert	Without insert
3/4" V	1 1/2"	6.34	5.45
1" V	1 1/2"	6.67	5.69
1 1/4" V	1 1/2"	8.05	6.83
1 1/2" V	1 1/2"	8.45	7.23
2" V	2"	13.33	12.43
2 1/2" V	2"	14.79	12.60
3" V	2"	16.58	14.14
3 1/2" V	2"	19.18	16.33
4" V	2"	21.37	18.20
5" V	2"	26.57	22.59
6" V	2"	39.25	33.40
8" V	2"	42.74	36.32
10" V	2"	54.68	46.48
12" V	2"	78.65	66.87
14" G	2 1/2"	97.50	82.88
6" V	3"	41.03	34.85
8" V	3"	48.59	41.28
10" V	3"	66.70	56.72
12" V	3"	87.75	74.59
16" G	3 1/2"	132.68	112.78
18" G	3 1/2"	182.49	155.10
20" G	3 1/2"	222.38	189.07

45			
IPS Size	Insul. Thk	With insert	Without insert
3/4" V	1 1/2"	5.60	4.55
1" V	1 1/2"	5.93	5.04
1 1/4" V	1 1/2"	7.15	6.10
1 1/2" V	1 1/2"	7.55	6.42
2" V	2"	11.87	10.08
2 1/2" V	2"	13.17	11.22
3" V	2"	14.79	12.60
3 1/2" V	2"	15.60	13.33
4" V	2"	19.02	16.17
5" V	2"	23.65	20.07
6" V	2"	34.94	26.49
8" V	2"	38.03	32.34
10" V	2"	48.67	41.35
12" V	2"	70.04	59.48
14" G	2 1/2"	86.78	73.78
6" V	3"	36.57	31.04
8" V	3"	43.23	36.73
10" V	3"	59.40	50.45
12" V	3"	78.08	66.38
16" G	3 1/2"	118.14	100.35
18" G	3 1/2"	162.42	138.05
20" G	3 1/2"	197.93	168.27

Tee			
IPS Size	Insul. Thk	With insert	Without insert
3/4" V	1 1/2"	8.20	6.90
1" V	1 1/2"	8.70	7.40
1 1/4" V	1 1/2"	10.48	8.94
1 1/2" V	1 1/2"	10.97	9.35
2" V	2"	17.30	14.70
2 1/2" V	2"	19.25	16.42
3" V	2"	21.53	18.37
3 1/2" V	2"	22.83	18.60
4" V	2"	27.87	23.65
5" V	2"	30.72	26.17
6" V	2"	45.42	38.60
8" V	2"	49.24	41.85
10" V	2"	71.10	60.45
12" V	2"	102.22	86.94
14" G	2 1/2"	126.75	107.74
6" V	3"	47.53	40.38
8" V	3"	63.22	53.70
10" V	3"	86.70	73.71
12" V	3"	114.08	97.02
16" G	3 1/2"	172.50	146.65
18" G	3 1/2"	237.25	201.67
20" G	3 1/2"	289.09	245.70

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

INDOOR COLOR
EXL - LINE FLANGE COVERS

"A" Fitting Size Pipe x Insul. Thk.		List Price PVC Cover	"B" Insul. O.D.	"C"
EX-L-FLG	1/2 X 1	24.38	5 9/16"	10"
EX-L-FLG	3/4 X 1	26.00	6 5/8"	10"
EX-L-FLG	1 X 1	27.63	7 5/8"	10"
EX-L-FLG	1 1/2 X 1	30.07	8 5/8'	11 1/2"
EX-L-FLG	2 X 1	30.88	8 5/8'	11 1/2"
EX-L-FLG	2 1/2 X 1	31.69	9 5/8"	11 1/2"
EX-L-FLG	3 X 1	32.50	10 3/4"	15"
EX-L-FLG	4 X 1	39.00	12 3/4"	15"
EX-L-FLG	6 X 1	45.50	15	20 1/2"
EX-L-FLG	8 X 1	53.63	17"	22 1/2"
EX-L-FLG	10 X 1	60.13	20"	22 1/2"
EX-L-FLG	1/2 X 1 1/2	26.00	6 5/8"	10"
EX-L-FLG	3/4 X 1 1/2	27.63	7 5/8"	10"
EX-L-FLG	1 X 1 1/2	28.44	7 5/8"	10"
EX-L-FLG	1 1/4 X 1 1/2	30.07	9 5/8"	11 1/2"
EX-L-FLG	1 1/2 X 1 1/2	31.69	9 5/8"	11 1/2"
EX-L-FLG	2 X 1 1/2	32.50	9 5/8"	11 1/2"
EX-L-FLG	2 1/2 X 1 1/2	34.13	11 3/4"	15"
EX-L-FLG	3 X 1 1/2	35.75	11 3/4"	15"
EX-L-FLG	4 X 1 1/2	40.63	14"	15"
EX-L-FLG	6 X 1 1/2	47.13	16"	20 1/2"
EX-L-FLG	8 X 1 1/2	55.25	18"	22 1/2"
EX-L-FLG	10 X 1 1/2	61.75	21"	22 1/2"
EX-L-FLG	12 X 1 1/2	81.25	24"	24 1/2"
EX-L-FLG	1/2 X 2	27.63	7 5/8"	10"
EX-L-FLG	3/4 X 2	30.07	8 5/8'	10"
EX-L-FLG	1 X 2	30.88	9 5/8"	10"
EX-L-FLG	1 1/2 X 2	32.50	10 3/4"	11 1/2"
EX-L-FLG	2 X 2	33.32	10 3/4"	11 1/2"
EX-L-FLG	2 1/2 X 2	36.17	10 3/4"	11 1/2"
EX-L-FLG	3 X 2	39.00	12 3/4	15"
EX-L-FLG	4 X 2	45.50	15"	15"
EX-L-FLG	6 X 2	55.25	17"	20 1/2"
EX-L-FLG	8 X 2	56.88	19"	22 1/2"
EX-L-FLG	10 X 2	66.63	22"	22 1/2"
EX-L-FLG	12 X 2	82.88	25"	24 1/2"
EX-L-FLG	2 X 2 1/2	37.38	11 3/4"	11 1/2"
EX-L-FLG	3 X 2 1/2	42.25	14"	15"
EX-L-FLG	4 X 2 1/2	48.75	16"	15"
EX-L-FLG	6 X 2 1/2	56.88	18"	20 1/2"
EX-L-FLG	8 X 2 1/2	63.38	20"	22 1/2"
EX-L-FLG	10 X 2 1/2	81.25	23"	22 1/2"
EX-L-FLG	12 X 2 1/2	97.50	26"	24 1/2"
EX-L-FLG	14 X 2 1/2	117.82	27 1/2"	24 1/2"

*BALL PLUG VALVE COVERS

These covers are exactly the same as the EX-L-FLG except they are 50% longer. Just add 40% to our EX-L line flange price and order by pipe size and insulation thickness (XXL BPV).

INDOOR COLOR
LINE FLANGE COVERS

Max Pipe cov. O.D.	Fitting Number	w/ Insert	w/o Insert	A	B	C
1 1/16"	1 L/ F	3.90	3.42	2 3/4"	2 3/4"	3/4"
1 7/8"	3 L/ F	4.55	4.07	3 1/2"	3 1/4"	3/4"
2 3/8"	5 L / F	5.20	4.72	4 1/2"	4 1/2"	1"
2 7/8"	6-7 L.F	5.73	5.17	6"	7 1/2"	2 1/4"
3 1/2"	8-9 L.F	6.90	6.23	5 1/2"	7 3/4"	2"
4 1/2"	10-11 L.F	9.20	8.29	7 1/4"	8 1/2"	2"
5 9/16"	12-13 L.F	11.51	10.37	7 1/2"	10 3/8"	2 1/4"
6 5/8"	14-15 L.F	14.96	13.47	8"	12"	2 3/4"
8 5/8"	16-17-18 L.F	20.20	18.20	8"	14 3/4"	3"
10 3/4"	19-20 L.F	27.60	24.84	9 1/2"	15 1/2"	3"
12 3/4"	21-22 L.F	34.50	31.06	9 1/2"	19 3/4"	3 1/4"
15"	23-24 L.F	43.69	39.34	11 1/2"	22 1/2"	3 1/2"
17"	25-26 L.F	57.51	51.78	11 1/2"	25"	4"
19"	27-28 L.F	68.25	61.75	14"	28 3/4"	4 7/8"
21"	29-30 L.F	81.25	73.13	15"	31"	5"
23"	31-32 L.F	92.63	84.50	15 1/4"	33 1/2"	5"
25"	33-34 L.F	105.63	95.07	15 1/2"	35 1/2"	5 1/4"
27"	35-36 L.F	118.63	106.77	17"	37 1/2"	5 3/4"
29"	37-38 L.F	131.63	118.63	18"	39 1/2"	6"

SOIL PIPE HUB COVERS

Fitting Number	With Inserts	Without Inserts
10SPH	7.27	6.50
11 SPH	7.66	6.89
13 SPH	9.92	8.92
15 SPH	12.08	10.87
17 SPH	15.12	13.60
18-19 SPH	16.39	14.63
20-21 SPH	24.13	21.72
22 SPH	28.54	25.69
23-24 SPH	32.88	29.59
26-28 SPH	43.88	39.49

CONCENTRIC CONE REDUCERS

Size	List Price	A	B
# 6-3	2.85	2 1/2"	1 7/8"
# 9-2	3.25	2"	1 3/4"
# 12-2	4.88	3"	3"
# 15-5	8.13	3"	3 3/4"
# 18-9	13.00	3"	4 3/8"
#22-13	21.13	4"	6"
# 28-15	33.32	6 1/2"	10 1/2"
#39-27	64.19	8 1/2"	9"

*** Contact Factory for Availablilty**

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

INDOOR COLOR PVC

ROOF DRAIN SUMP COVERS

Size	A	B	C	D	List price w/Insul.	List price no Insul.
# I R.D	19"	16"	12 3/4"	5"	22.75	21.45
# II R.D	17"	12"	8 3/4"	5"	19.50	18.53
# III R.D	19"	15"	11"	3"	21.13	19.99
#IV R.D	14"	11"	8"	2 1/2"	21.13	19.99
#V R.D.S.	5 1/2"	3 5/8"	3 1/2"	2"	6.86	5.75

CAST IRON SINGLE OR DOUBLE Y-45

SIZE	PIPE SIZES X INSUL.	SINGLE Y-BRANCH	RECOMMENDED PIPE INSUL.
2" CIY	2" X 2" X 2" THK	13.00	3" X 1" X 20" LONG
3" CIY	3" X 3" X 2" THK	19.50	4" X 1" X 25" LONG
4" CIY	4" X 4" X 2" THK	29.25	6" X 1" X 30" LONG
6" CIY	6" X 6" X 2" THK	42.25	8" X 1" X 34" LONG
8" CIY	8" X 8" X 2" THK	48.75	10" X 1" X 43" LONG

SOIL PIPE TRAPS

SIZE	DEEP-SEAL P-TRAP
2" X 1"	26.00
3" X 1"	31.28
4" X 1"	34.50
4" X 2" (Red. Ends)	38.03

SIZE	STANDARD P-TRAP
1 1/4" X 1 1/2"	8.13
2" X 1"	22.75
3" X 1"	28.73
3" X 2" (Red. Ends)	35.57
4" X 1"	34.50
4" X 2" (Red. Ends)	38.03
5" x 1/2" to 2"	41.31
6" x 1" to 2"	45.99

ONE PIECE STRAINER LATERAL 45-Y

SIZE	LIST PRICE WITH INSERT	LIST PRICE WITHOUT INSERT
# 7-SLY	3.90	3.50
# 9-SLY	5.12	4.80
# 10-SLY	6.10	5.60
# 11-SLY	7.48	6.90
# 12-SLY	9.02	8.29
# 13-SLY	14.47	13.00
# 15-SLY	21.29	19.50
# 17-SLY	34.70	32.50
# 18-SLY	42.17	39.57
# 19-SLY	49.73	46.48
# 20-SLY	57.20	52.65
# 21-SLY	65.57	59.80

HANDICAP P TRAP

SIZE	HP TRAP
1 1/4", 1 1/2" x1"	$23.57
HVG (HANDICAP VALVE GUARD)	6.50

STRAINER COVERS

SIZES AVAILABLE SCREWED	O.D.	LENGTH	DIAG.	LIST PRICE
STS-1/2" UP TO 1 1/2" THK.	4 1/8"	7 3/8"	4 5/8"	5.69
STS-1" UP TO 1 1/2" THK.	4 3/4"	8 1/2"	5 1/4"	6.90
STS-1 1/2" UP TO 1 1/2" THK.	5 5/8"	9 1/4"	6"	10.97
STS-2" UP TO 2" THK.	6 3/4"	10 5/8"	7 3/4"	16.90
STS-2 1/2" TO 3" UP TO 2" THK.	7 3/4"	13 3/4"	9 1/2"	27.63
FLANGED SIZES				
STF-2 1/2" Flgd. Up to 2" thk.	9 3/4"	16"	8 3/4"	39.00
STF-3" Flgd. Up to 2" thk.	11 3/4"	19 1/4"	10 5/8"	48.75
STF-4" Flgd. Up to 2" thk.	13"	22"	12"	54.44
STF-5" Flgd. Up to 2" thk.	14 1/4"	24 3/4"	15 1/2"	61.75
STF-6" Flgd. Up to 2" thk.	15 1/4"	27 1/2"	17"	68.25
STF-8" Flgd. Up to 2" thk.	17"	32"	18 1/2"	78.82

NOTE: Color material is a special order item and is not returnable

PROTO PVC CORP TM

INDOOR COLOR FLANGE GATE VALVES

METEL FLANGE		(FOR ALL VALVES LOWER THAN 200 L.B SERIES)						
Circum.	O.D.	Valve Size X Insulation Thickness	A O.D.	Recommended Pipe Insulation	B	C	D	LIST PRICE PVC COVER
19"	6"	2" X 1 1/2",1", 1/2"	8 5/8"	6" CTS X 1"	X 11 1/2"	8 1/4"	7 1/4"	31.60
22"	7"	2 1/2" X 1 1/2",1", 1/2"	9 5/8"	6" IPS X 2"	X 13 1/2"	7 1/2"	8 1/2"	35.92
23 1/2'	7 1/2"	3" X 1", 1/2"	"	7" IPS X 1"	X 13 1/2"	"	"	35.92
"	"	3" X 2",1 1/2", 1/2"	10 3/4"	7" IPS X 1 1/2"	X 15"	6 3/4"	9 1/2"	40.95
28 1/4"	9"	4" X 1", 1/2"	"	8" IPS X 1"	X 15"	9"	"	42.00
"	"	4" X 2",1 1/2", 1/2"	12 3/4"	8" IPS X 2"	X 16"	"	10 3/8"	43.39
31 1/2"	10"	5" X 1 1/2",1", 1/2"	"	9" IPS X 1 1/2"	X 16"	10"	"	44.77
"	"	5" X 2",1 1/2", 1"	14"	9" IPS X 2"	X 14"	10 3/4"	11 3/4"	48.50
34 1/2"	11"	6" X 1", 1/2"	12 3/4"	10" IPS X 1"	X 16"	11 1/2"	10 3/8"	54.20
"	"	6" X 1 1/2",1", 1/2"	14"	10" IPS X 1 1/2"	X 17"	12 1/4"	11 3/4"	57.53
"	"	6" X 2",1 1/2", 1"	15"	10" IPS X 2"	X 18"	"	12 1/4"	63.54
42 1/4"	13 1/2"	8" X 2",1 1/2", 1", 1/2"	18"	12" IPS X 2 1/2"	X 19 1/4'	16"	13 1/2"	78.08
"	"	8" X 3"	20"	12" IPS X 3 1/2"	X 20 1/2"	17"	"	88.40
50 1/4"	16"	10" X 2",1 1/2", 1"	20"	16" IPS X 2"	X 20 1/2"	"	"	88.40
60"	19"	12" X 2 1/2", 2",1 1/2", 1"	23"	19" IPS X 2"	X 22"	21"	16"	107.33

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

INDOOR COLOR PROTOP TANK HEADS

PROTOP SIZES & SECTIONS PER HEAD	INDOOR COLOR LIST PRICE PER SECTION	LIST PRICE PER HEAD FOR THE # SECTIONS RECOMMENDED
# 2-4	$48.10	$192.40
# 3-4	$52.88	$211.52
# 4-4	$52.88	$211.52
# 5-7	$52.88	$370.16
# 5-8	$52.88	$423.04
# 6-8	$57.56	$460.48
# 6-9	$57.56	$518.04
# 6-10	$57.56	$575.60
# 7-10	$57.56	$575.60
# 7-11	$57.56	$633.16
# 7-12	$57.56	$690.72
# 8-11	$62.24	$684.64
# 8-12	$62.24	$746.88
# 8-13	$62.24	$809.12
# 9-13	$62.24	$809.12
# 9-14	$62.24	$871.36
# 10-14	$65.36	$915.04
# 10-15	$65.36	$980.40
# 11-16	$65.36	$1,045.76
# 12-17	$70.04	$1,190.68
# 12-18	$70.04	$1,260.72
# 13-18	$76.28	$1,373.04
# 13-19	$76.28	$1,449.32
# 14-19	$82.52	$1,567.88
# 14-20	$82.52	$1,650.40
# 15-20	$85.64	$1,712.80
# 15-22	$85.64	$1,884.08
# 16-22	$90.32	$1,987.04
# 16-23	$90.32	$2,077.36
# 17-23	$95.00	$2,185.00
# 17-24	$95.00	$2,280.00
# 17-25	$95.00	$2,375.00
# 18-25	$95.00	$2,375.00
# 18-26	$95.00	$2,470.00
# 24-42	$195.46	$8,909.32

NOTE: COLOR IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

LoSMOKE PVC PROTOP TANK HEADS (PATENT APPLIED FOR)

SIZE CHART

" F & D" FLANGED & DISHED — "EL" ELLIPTICAL 2:1 — "HEM" HEMISPHERICAL — "CONE" CONE HEAD

ORDERING EXAMPLE : F&D # 3-4 , EL # 3-4 , HEM # 3-4 , CONE # 3-4

TANK OD. INCHES=FEET	INSULATION THICKNESS										
	1"	1.5"	2"	2.5"	3"	3.5'	4"	4.5"	5"	5.5"	6"
30"=2.5'	# 2-4	# 2-4	# 2-4	# 2-4	# 2-4	# 2-4	# 3-4	# 3-4	# 3-4	# 3-4	# 3-4
36"=3'	# 3-4	# 3-4	# 3-4	# 3-4	# 3-4	# 3-4	# 3-4	# 3-5	# 3-5	# 3-5	# 3-5
42"=3.5	# 3-5	# 3-5	# 3-5	# 3-5	# 3-5	# 3-5	# 3-5	# 4-4	# 4-4	# 4-4	# 4-4
48"=4'	# 4-4	# 4-4	# 4-4	# 4-4	# 4-4	# 4-4	# 4-4	# 5-7	# 5-7	# 5-7	# 5-7
54"=4.5'	# 5-7	# 5-7	# 5-7	# 5-7	# 5-7	# 5-7	# 5-7	# 5-8	# 5-8	# 5-8	# 5-8
60"=5'	# 5-7	# 5-8	# 5-8	# 5-8	# 5-8	# 5-8	# 5-8	# 5-8	# 5-8	# 5-8	# 5-9
66"=5.5'	# 5-8	# 5-8	# 5-8	# 6-8	# 6-9	# 6-9	# 6-9	# 6-9	# 6-9	# 6-9	# 6-9
72"=6'	# 6-9	# 6-9	# 6-9	# 6-9	# 6-9	# 6-9	# 6-9	# 6-10	# 6-10	# 6-10	# 6-10
78"=6.5'	# 6-9	# 6-10	# 6-10	# 7-10	# 7-10	# 7-10	# 7-11	# 7-11	# 7-11	# 7-11	# 7-11
84"=7'	# 7-11	# 7-11	# 7-11	# 7-11	# 7-11	# 7-11	# 7-11	# 7-11	# 7-11	# 7-12	# 7-12
90"=7.5'	# 7-11	# 7-11	# 7-11	# 8-11	# 8-11	# 8-11	# 8-11	# 8-12	# 8-12	# 8-12	# 8-12
96"=8'	# 8-11	# 8-12	# 8-12	# 8-12	# 8-12	# 8-12	# 8-12	# 8-12	# 8-12	# 8-13	# 8-13
102"=8.5'	# 8-12	# 8-12	# 8-12	# 9-13	# 9-13	# 9-13	# 9-13	# 9-13	# 9-13	# 9-13	# 9-13
108"=9'	# 9-13	# 9-13	# 9-13	# 9-13	# 9-13	# 9-13	# 9-14	# 9-14	# 9-14	# 9-14	# 9-14
114"=9.5'	# 9-14	# 9-14	# 9-14	# 10-14	# 10-14	# 10-14	# 10-14	# 10-14	# 10-14	# 10-14	# 10-14
120"=10'	# 10-14	# 10-14	# 10-14	# 10-15	# 10-15	# 10-15	# 10-15	# 10-15	# 10-15	# 10-15	# 10-15
126"=10.5'	# 10-15	# 10-15	# 10-15	# 11-15	# 11-15	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16
132"=11'	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16	# 11-16
138"=11.5'	# 11-16	# 11-16	# 11-16	# 12-17	# 12-17	# 12-17	# 12-17	# 12-17	# 12-17	# 12-17	# 12-17
144"=12'	# 12-17	# 12-17	# 12-17	# 12-17	# 12-17	# 12-18	# 12-18	# 12-18	# 12-18	# 12-18	# 12-18
150"=12.5'	# 12-18	# 12-18	# 12-18	# 13-18	# 13-18	# 13-18	# 13-18	# 13-18	# 13-18	# 13-18	# 13-18
156"=13'	# 13-18	# 13-18	# 13-18	# 13-19	# 13-19	# 13-19	# 13-19	# 13-19	# 13-19	# 13-19	# 13-19
162"=13.5'	# 13-19	# 13-19	# 13-19	# 14-19	# 14-19	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20
168"=14'	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20	# 14-20
174"=14.5'	# 14-20	# 14-20	# 14-20	# 15-21	# 15-21	# 15-21	# 15-21	# 15-21	# 15-21	# 15-21	# 15-21
180"=15'	# 15-21	# 15-21	# 15-21	# 15-21	# 15-21	# 15-22	# 15-22	# 15-21	# 15-21	# 15-21	# 15-21
186"=15.5'	# 15-22	# 15-22	# 15-22	# 16-22	# 16-22	# 16-22	# 16-22	# 16-22	# 16-22	# 16-22	# 16-22
192"=16'	# 16-22	# 16-22	# 16-22	# 16-23	# 16-23	# 16-23	# 16-23	# 16-23	# 16-23	# 16-23	# 16-23
198"=16.5'	# 16-23	# 16-23	# 16-23	# 17-23	# 17-23	# 17-23	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24
204"=17'	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24	# 17-24
210"=17.5'	# 17-24	# 17-25	# 17-25	# 18-25	# 18-25	# 18-25	# 18-25	# 18-25	# 18-25	# 18-25	# 18-25
216"=18'	# 18-25	# 18-25	# 18-25	# 18-25	# 18-25	# 18-26	# 18-26	# 18-26	# 18-26	# 18-26	# 18-26
288"=24'	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42	# 24-42

PROTO PVC CORP™

LOSMOKE INDOOR COLOR

LoSMOKE U.V. RESISTANT, 25/50 RATED, PASSES E-84
USDA AUTHORIZED

BARE METAL PVC COVERS - 8' LENGTHS			
SIZE INCHES	I- BEAMS LIST PRICE	CHANNELS LIST PRICE SGLE CHANNEL X 2 FOR DBL CHANNEL	COMPLETE 90 ANGLE IRON COVERS LIST PRICE
1"			$21.44
1 1/2"			24.38
2"			31.19
3"	$70.19	$64.84	38.55
4"	75.06	68.71	42.41
5"	80.94	70.19	
6"	83.33	75.06	
7"	86.74	79.01	
8"	90.69	80.94	
9"	97.50	84.34	
10"	104.31	95.11	
12"	123.81	103.84	
14"	136.96	124.81	
15"	141.38		
16"	151.13		
18"	163.36		
20"	183.31		
21"	212.11		
24"	223.80		
27"	249.08		
30"	335.92		

90 DEGREE SWEEP

90 DEGREES		
Outside Diameter	Center Line	List Price
1 3/8"	7 1/2" CL	$8.05
1 5/8"	3 3/4" CL	$3.45
3"	4" CL	$3.84
3 1/8"	4 1/8" CL	$4.21
3 7/8"	4 1/16" CL	$5.14
1 7/8"	6" CL	$5.49
3 5/8"	4 7/8" CL	$5.75
2 1/4"	8" CL	$8.44
2 3/8"	9 1/2" CL	$9.20
3 3/8"	9 1/2" CL	$9.97
5"	6 1/4" CL	$10.58
5 1/8"	12" CL	$18.40
3 1/2"	13" CL	$19.55
3 5/8"	18" CL	$27.21
4 5/8"	18" CL	$32.06
5 5/8"	18" CL	$42.74
5 5/8"	20" CL	$45.81
5 5/8"	24" CL	$51.94
10 3/4"	15" CL	$78.14
45 DEGREES		
1 3/8"	7 1/2" CL	$ 7.67
1 5/8"	3 3/4" CL	$ 3.45
4 5/8"	18" CL	$ 19.08
5 5/8"	18" CL	$ 24.44
5 5/8"	24" CL	$ 32.10

BOLT HEAD COVERS:	2 3/4" Dia. x 2" Deep, Round Head	List Price	$1.55
	2 1/2" Dia. x 1 1/2" Deep, Round Head	List Price	1.38
	2 1/2" Dia. x 1/2" Deep, Round Head	List Price	0.98
	2 1/2" Dia. x 1" Deep, Round Head	List Price	1.38
'Rectangular Cover :	1 3/4" X 4 3/4" X 3/4" Deep	List Price	1.95
	1 3/4" X 4 3/4" X 1 1/2" Deep	List Price	2.28

SOLDERED AND SCREWED SHORT RADIUS
BARE PIPE FITTING PVC COVERS
No Insulation Space Allowance

CPS SIZE	IPS SIZE	90 Degrees	45 Degrees	TEES
3/4"	1/2"	$5.20	$5.20	$5.45
1"	3/4"	5.20	5.20	5.45
1 1/4"	1"	5.20	5.20	5.45
1 1/2"	1 1/4"	5.20	5.20	5.45
2 "	1 1/2"	5.20	5.20	5.45
2 1/2"	2"	5.20	5.20	5.45
3 "	2 1/2"	6.67	6.67	6.92
3 1/2"	3"	7.63	7.63	8.29
4 "	4"	11.79	11.79	13.05

7' 4" LONG, BENT LENGTHS RIGHT ANGLE 90 INDOOR COLOR		
	.020" THICK EACH	.030" THICK EACH
1 1/2" X 1 1/2"	5.21	7.82
2" X 2"	6.86	10.29
2 1/2" X 2 1/2"	8.70	13.05
3" X 3 "	10.49	15.74
4" X 4"	13.88	20.82
5" X 5 "	17.38	26.07
6" X 6 "	19.92	29.88
8"X 8"	27.87	41.81
10 " X10 "	34.78	52.17
12" X 12"	41.76	62.64

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

PROTO PVC CORP™

ACCESSORIES

TACKS (White or Gray only)

TYPE	NUMBER PER BOX	LIST PRICE PER BOX
STAINLESS STEEL	500	$21.57

WHITE VINYL TAPE

SIZE	ROLLS PER CARTON	LIST PRICE PER ROLL
1" X 100'	12	$8.11
1" 1/2"X 100'	32	11.71
2" X100'	24	16.43

PVC LIQUID ADHESIVE

	QUART	GALLON
WHITE	$ 25.85	$ 69.56
CLEAR	$ 25.85	$ 69.56

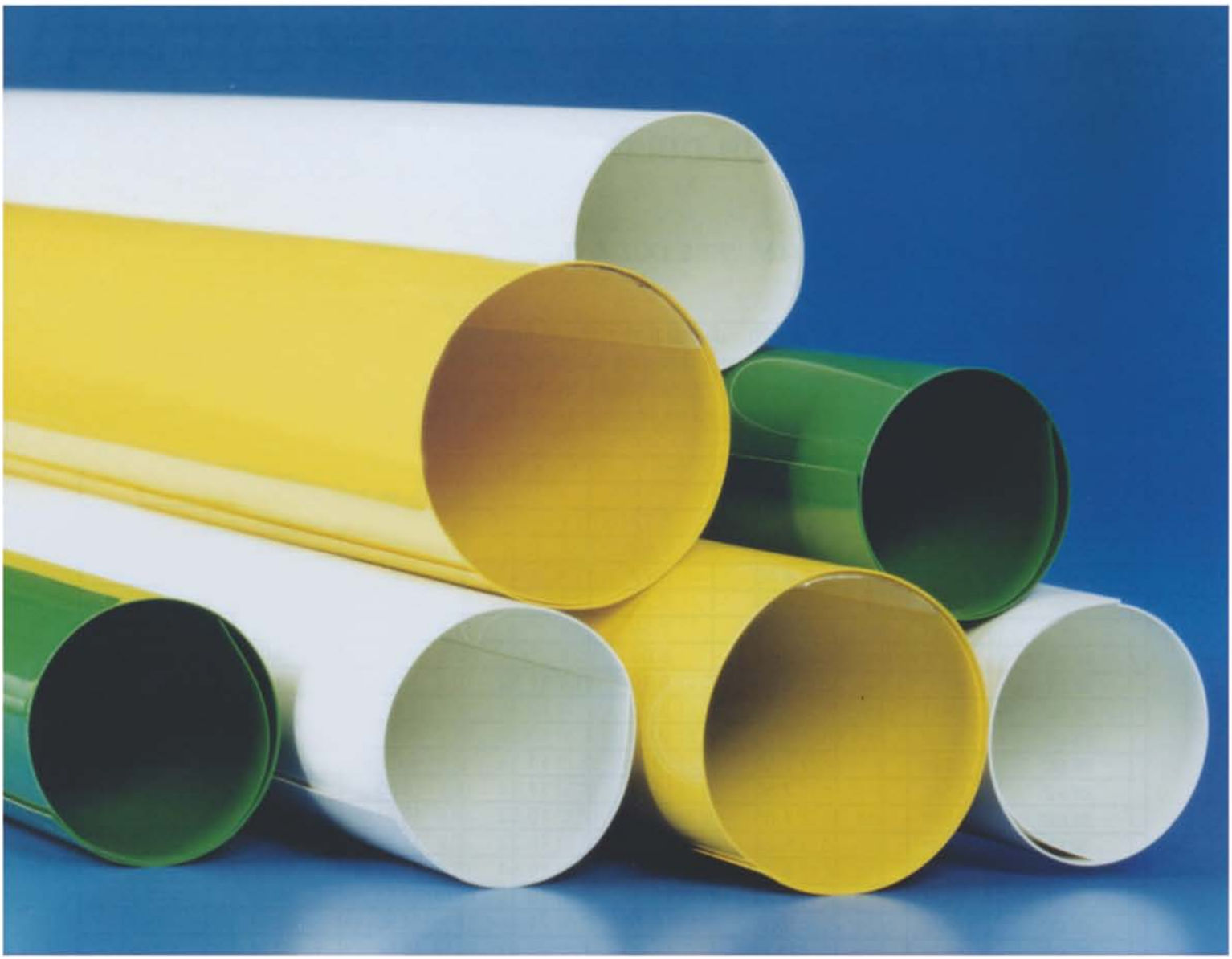
TACK HOLE PUNCH	$8.48 EACH

CELULON

ADDITIONAL CELULON CAULK
WHITE WATER BASE OR
CLEAR WATER BASE
CAULK ADHESIVE
LIST PRICE: **$ 5.30 / PER CARTRIDGE**
COVERAGE:**50 LIN FT. (3/16" BEAD)**

PVC CORNER EDGE ROLLS **INDOOR COLOR**

100' ROLLS	THICKNESS	INDOOR COLOR WITH RELEASE TAPE	INDOOR COLOR PLAIN PVC
3 " WIDE	.020"	$45.23	$22.43
	.030"	52.61	29.90
4 " WIDE	.020"	60.55	29.90
	.030"	72.15	40.37



PVC INDOOR COLOR JACKETING IN CUT & CURL

Price Lists

PROTO PVC CORPORATION

PROTO PVC CORP™

INDOOR COLOR JACKETING

35 1/2" & 48" WIDE CUT & CURLED JACKETING

CIRCUMFERENCE INCLUDING 2" TO 3" LONGSIDE OVERLAP	COVERS O.D. INCHES	ORDER BY # SIZE	0.020 PER SECTION 35 1/2" WIDE LIST PRICE	0.030 PER SECTION 35 1/2" WIDE LIST PRICE	0.040 PER SECTION 35 1/2" WIDE LIST PRICE	0.020 PER SECTION 48" WIDE LIST PRICE	0.030 PER SECTION 48" WIDE LIST PRICE	0.040 PER SECTION 48" WIDE LIST PRICE
7"	1 5/8"	#2	3.59			4.94		
7 7/8"	1 7/8"	#3	3.78			5.19		
8 5/8"	2 1/8"	#4	3.99			5.49		
9 1/2"	2 3/8"	#5	4.20	6.77		5.72	9.30	
10 1/4"	2 5/8"	#6	4.38	7.09		6.01	9.72	
11"	2 7/8"	#7	4.56	6.77		6.25	9.30	
12"	3 1/8"	#8	4.89	7.24		6.70	9.91	
13"	3 1/2"	#9	5.11	7.59		7.01	10.43	
14 5/8"	4"	#10	5.42	8.06		7.45	11.05	
16 1/8"	4 1/2"	#11	5.89	8.70	11.62	8.09	11.95	15.93
17 3/4"	5"	#12	6.27	9.26	12.34	8.58	12.71	16.93
19 1/2"	5 9/16"	#13	6.73	9.96	13.22	9.30	13.65	18.12
21 3/4"	6 1/8"	#14	7.19	10.65	14.14	9.85	14.59	19.40
23 3/8"	6 5/8"	#15	7.50	11.10	14.74	10.30	15.22	20.22
24 7/8"	7 1/8"	#16	7.88	11.65	15.52	10.80	15.98	21.27
26 1/2'	7 5/8"	#17	8.24	12.19	16.22	11.30	16.74	22.23
29 1/2"	8 5/8"	#18	8.70	12.77	16.94	11.93	17.50	23.23
32 3/4"	9 5/8"	#19	9.72	14.37	19.11	13.33	19.72	26.21
36 1/4"	10 3/4"	#20	10.92	16.16	21.46	14.96	22.17	29.42
39 1/2"	11 3/4"	#21	11.69	17.30	22.92	16.04	23.58	31.43
42 1/2"	12 3/4"	#22	12.84	19.02	25.29	17.68	26.09	34.67
46 1/2"	14"	#23	13.90	20.50	27.27	19.07	28.13	37.38
49 5/8"	15"	#24	15.02	22.20	29.47	20.59	30.43	40.43
52 3/4"	16"	#25	15.61	23.13	30.72	21.49	31.69	42.12
56 3/8"	17"	#26	17.16	25.51	33.75	23.54	34.98	46.31
59 1/2"	18"	#27	18.02	26.65	35.40	24.69	36.56	48.56
62 5/8"	19"	#28	18.97	28.09	37.35	26.01	38.51	51.21
66"	20"	#29	19.99	29.58	39.27	27.42	40.55	53.89
69"	21"	#30	21.19	31.37	41.67	29.04	43.02	57.15
72"	22"	#31	22.52	33.35	44.29	30.89	45.72	60.75
75 1/4"	23"	#32	23.44	34.67	46.09	32.16	47.55	63.21
78 3/8"	24"	#33	24.04	35.58	47.31	32.96	48.80	64.86
81 1/2"	25"	#34	24.64	36.48	48.45	33.77	50.01	66.44
84 5/8"	26"	#35	26.48	39.18	52.09	36.28	53.74	71.42
87 7/8"	27"	#36	27.40	40.56	53.89	37.58	55.63	73.88
91"	28"	#37	28.22	41.77	55.48	38.70	57.28	76.10
94"	29"	#38	29.20	43.19	57.45	40.05	59.24	78.81
97"	30"	#39	30.03	44.43	59.07	41.17	60.94	81.03

*FOR .015 CUT & CURL USE 80% OF .020 PRICES

PROTO PVC CORP™

INDOOR COLOR JACKETING

35 1/2" & 48" WIDE CUT & CURLED JACKETING WITH SELF SEALING LAP

CIRCUMFERENCE INCLUDING 2" TO 3" LONGSIDE OVERLAP	COVERS O.D. INCHES	ORDER BY # SIZE	0.020 PER SECTION 35 1/2" WIDE LIST PRICE	0.030 PER SECTION 35 1/2" WIDE LIST PRICE	0.040 PER SECTION 35 1/2" WIDE LIST PRICE	0.020 PER SECTION 48" WIDE LIST PRICE	0.030 PER SECTION 48" WIDE LIST PRICE	0.040 PER SECTION 48" WIDE LIST PRICE
7"	1 5/8"	#2	4.59			6.27		
7 7/8"	1 7/8"	#3	4.78			6.52		
8 5/8"	2 1/8"	#4	4.99			6.82		
9 1/2"	2 3/8"	#5	5.20	7.77		7.05	10.63	
10 1/4"	2 5/8"	#6	5.38	8.09		7.34	11.05	
11"	2 7/8"	#7	5.56	7.77		7.58	10.63	
12"	3 1/8"	#8	5.89	8.24		8.03	11.24	
13"	3 1/2"	#9	6.11	8.59		8.34	11.76	
14 5/8"	4"	#10	6.42	9.06		8.78	12.38	
16 1/8"	4 1/2"	#11	6.89	9.70	12.62	9.42	13.28	17.26
17 3/4"	5"	#12	7.27	10.26	13.34	9.91	14.04	18.26
19 1/2"	5 9/16"	#13	7.73	10.96	14.22	10.63	14.98	19.45
21 3/4"	6 1/8"	#14	8.19	11.65	15.14	11.18	15.92	20.73
23 3/8"	6 5/8"	#15	8.50	12.10	15.74	11.63	16.55	21.55
24 7/8"	7 1/8"	#16	8.88	12.65	16.52	12.13	17.31	22.60
26 1/2'	7 5/8"	#17	9.24	13.19	17.22	12.63	18.07	23.56
29 1/2"	8 5/8"	#18	9.70	13.77	17.94	13.26	18.83	24.56
32 3/4"	9 5/8"	#19	10.72	15.37	20.11	14.66	21.05	27.54
36 1/4"	10 3/4"	#20	11.92	17.16	22.46	16.29	23.50	30.75
39 1/2"	11 3/4"	#21	12.69	18.30	23.92	17.37	24.91	32.76
42 1/2"	12 3/4"	#22	13.84	20.02	26.29	19.01	27.42	36.00
46 1/2"	14"	#23	14.90	21.50	28.27	20.40	29.46	38.71
49 5/8"	15"	#24	16.02	23.20	30.47	21.92	31.76	41.76
52 3/4"	16"	#25	16.61	24.13	31.72	22.82	33.02	43.45
56 3/8"	17"	#26	18.16	26.51	34.75	24.87	36.31	47.64
59 1/2"	18"	#27	19.02	27.65	36.40	26.02	37.89	49.89
62 5/8"	19"	#28	19.97	29.09	38.35	27.34	39.84	52.54
66"	20"	#29	20.99	30.58	40.27	28.75	41.88	55.22
69"	21"	#30	22.19	32.37	42.67	30.37	44.35	58.48
72"	22"	#31	23.52	34.35	45.29	32.22	47.05	62.08
75 1/4"	23"	#32	24.44	35.67	47.09	33.49	48.88	64.54
78 3/8"	24"	#33	25.04	36.58	48.31	34.29	50.13	66.19
81 1/2"	25"	#34	25.64	37.48	49.45	35.10	51.34	67.77
84 5/8"	26"	#35	27.48	40.18	53.09	37.61	55.07	72.75
87 7/8"	27"	#36	28.40	41.56	54.89	38.91	56.96	75.21
91"	28"	#37	29.22	42.77	56.48	40.03	58.61	77.43
94"	29"	#38	30.20	44.19	58.45	41.38	60.57	80.14
97"	30"	#39	31.03	45.43	60.07	42.50	62.27	82.36

PROTO PVC CORP™

INDOOR COLOR PVC Jacketing

INDOOR Color Standard Rolls

35 1/2" WIDE---45 LBS./ROLL					
THICK (in.)	ROLL FOOTAGE (lin. ft.)	ROLL AREA (sq. ft.)	WEIGHT PER (sq. ft.)	LIST PER (roll)	LIST PER (sq. ft.)
0.010	201.67	597	0.075	231.73	$0.39
0.015	134.44	398	0.113	231.73	0.59
0.020	100.83	298	0.151	231.73	0.78
0.030	67.22	199	0.226	231.73	1.17
0.040	50.00	149	0.302	231.73	1.56

48" WIDE---61 LBS./ROLL					
THICK (in.)	ROLL FOOTAGE (lin. ft.)	ROLL AREA (sq. ft.)	WEIGHT PER (sq. ft.)	LIST PER (roll)	LIST PER (sq. ft.)
0.010	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
0.015	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
0.020	100.83	403	0.151	314.12	0.78
0.030	67.22	269	0.226	314.12	1.17
0.040	50.00	201	0.302	314.12	1.56

INDOOR Color Bulk Rolls

35 1/2" WIDE---315 LBS./ROLL					
THICK (in.)	ROLL FOOTAGE (lin. ft.)	ROLL AREA (sq. ft.)	WEIGHT PER (sq. ft.)	LIST PER (roll)	LIST PER (sq. ft.)
0.010	1412.70	4179	0.075	1390.35	$0.34
0.015	941.80	2786	0.113	1390.35	0.50
0.020	706.35	2090	0.151	1390.35	0.67
0.030	470.90	1393	0.226	1390.35	1.00
0.040	353.18	1045	0.302	1390.35	1.33

48" WIDE---426 LBS./ROLL					
THICK (in.)	ROLL FOOTAGE (lin. ft.)	ROLL AREA (sq. ft.)	WEIGHT PER (sq. ft.)	LIST PER (roll)	LIST PER (sq. ft.)
0.010	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
0.015	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
0.020	706.35	2825	0.151	1880.09	0.67
0.030	470.90	1884	0.226	1880.09	1.00
0.040	353.18	1412	0.302	1880.09	1.33

NOTE: COLOR MATERIAL IS A SPECIAL ORDER ITEM AND IS NOT RETURNABLE

ORDER 10 BULK ROLL MINIMUM (ANY COMBINATION OF WHITE AND/OR COLOR) AND SAVE 5% MORE

*INDOOR COLOR PVC SHEET LIST PRICES**

41 1/2" Wide X 7' 3 1/2" Long (25.2 Square Feet Per Sheet)

THICKNESS	INDOOR COLOR LOSMOKE PVC**	APPROX. WEIGHT (DEPENDS ON TYPE) PER SHEET
0.025"	$18.84	4 1/2 to 5 lbs
0.030"	20.22	5 1/2 to 6 lbs
0.035"	28.41	6 1/2 to 7 lbs
0.040"	37.67	7 1/2 to 8 lbs
0.050"	40.82	9 to 10 lbs
0.060"	62.24	11 to 12 lbs

*INDOOR COLOR**

MIL	4'X4'	4'X8'	4'X10'
.020"	$15.07	$30.13	$37.67
.030"	22.49	44.97	48.88

* There is an additional $40.00 skid charge if sheet is shipped flat.

** Item not in stock

TECHNICAL INFORMATION

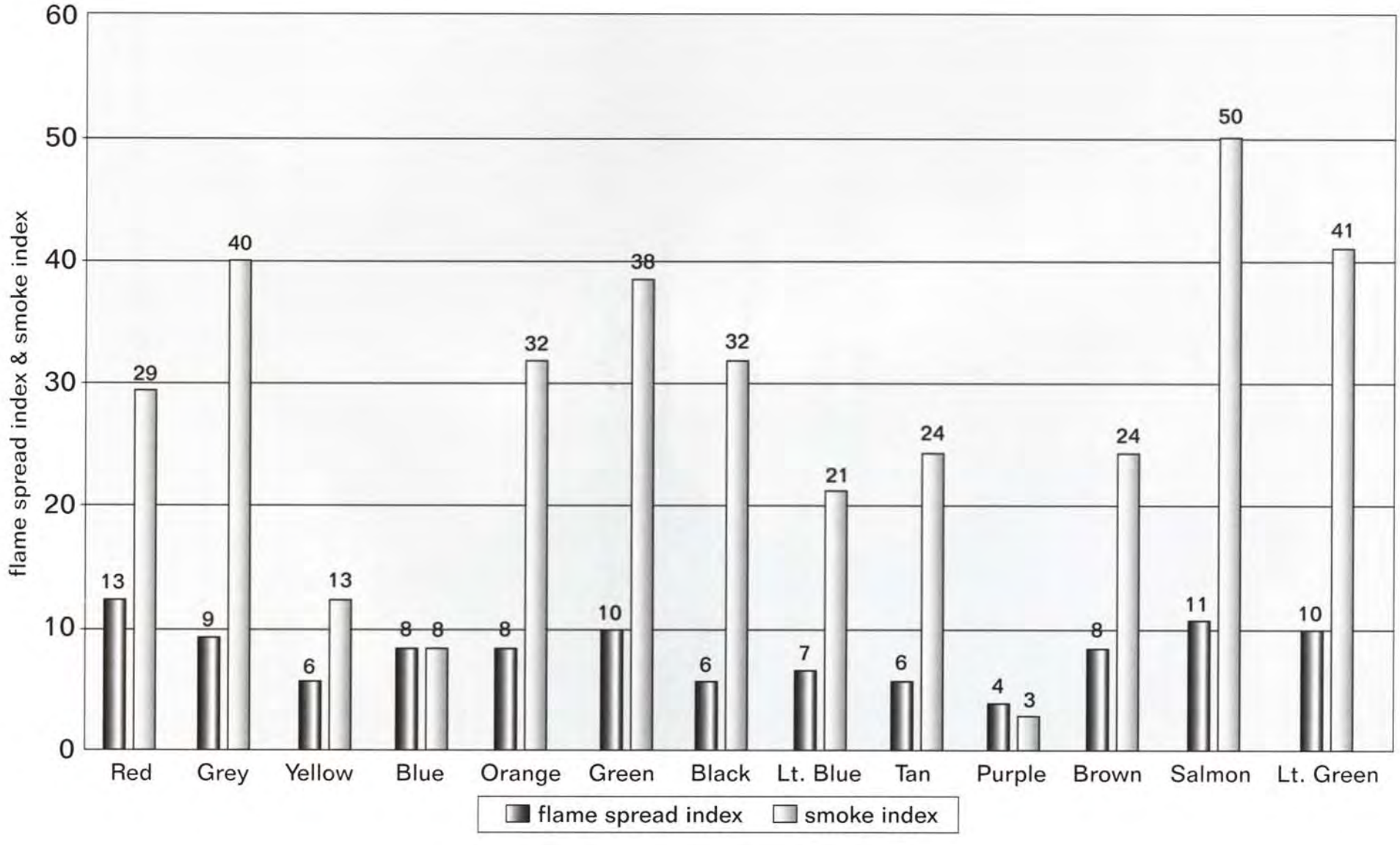
I. Summary of ASTM E84 (Surface Burning characteristics of building Materials) Test Results for LoSMOKE Color (20mil thick)

Color	Flame Spread Index	Smoke Index	Round off
Red	13	29	15/30
Grey	9	40	10/40
Yellow	6	13	5/15
Blue	8	8	10/10
Orange	8	32	10/30
Green	10	38	10/40
Black	6	32	5/30
Lt. Blue	7	21	5/20
Tan	6	24	5/25
Purple	4	3	5/5
Brown	8	24	10/25
Salmon	11	50	10/50
Lt. Green	10	41	10/40
Average	**8.15**	**27.31**	**10/30**

II. The Result of ASTM E-96 (Standard Test Methods for Water Vapor Transmission of Materials) for LoSMOKE Color (blue, 20 mil thick)

WVTR (grains/hr ft^2) = 0.016
Permeance (perms) = 0.0430

ASTM E-84 Test for LoSMOKE COLOR 20 mil
(25/50 Rated, pass by 8.15/27.31 average)



Celotex Corporation
Testing Services

10301 Ninth Street North
St. Petersburg, Florida 33716
(727) 578-4316
(727) 578-4280 Fax

PHYSICAL LABORATORY REPORT

December 4, 1998

Client: Protex
10500-47th St. No.
Clearwater, FL 33762-5017

MTS Job No. 520075

Test Period: October 29 – November 25, 1998

Project: Water Vapor Transmission Properties of Protex

Test Method: ASTM E96-95, "Standard Test Methods for Water Vapor Transmission of Materials". The desiccant method was performed with the testing conducted in a controlled environment of 70°F and 50% relative humidity.

Sample Identification: LoSmoke Blue

Three samples, approximately 4 inches in diameter, were cut from the test specimen and sealed to a 100-mm Pyrex dish. The sealant was a mixture of 60% Mobil Wax 2305 (yellow microcrystalline wax) and 40% Mobil Wax 130 (white paraffin).

Conditioning: All specimens were conditioned for a minimum of 48 hours at 70°F and 50% relative humidity.

Results: The following table summarizes the results for the sample.

Specimen I.D.	Thickness (inch)	WVTR (grains/hr ft^2)	Permeance (perms)	Perm-inch
LoSmoke Blue – 1	0.0220	0.0155	0.0421	---
2	0.0212	0.0172	0.0465	---
3	0.0222	0.0155	0.0419	---
Average	**0.0218**	**0.0160**	**0.0430**	---

Tested by: Scott T. Ryan
Laboratory Technician

Approved by: W. A. Jackson
Project Coordinator

This report is for the information of the client. It may be used in its entirety for the purpose of securing product acceptance from duly constituted approval authorities; however, this report or the name of Celotex Corporation shall not be used in publicity or advertising.



PROTO OFFERS MORE TYPES OF PVC JACKETING SYSTEMS THAN ANY OTHER COMPANY IN THE WORLD! WE GIVE THE BEST — FOR LESS!

★ ACTUAL PVC COLORS MAY VARY SLIGHTLY FROM PRINTED COLORS SHOWN HERE

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