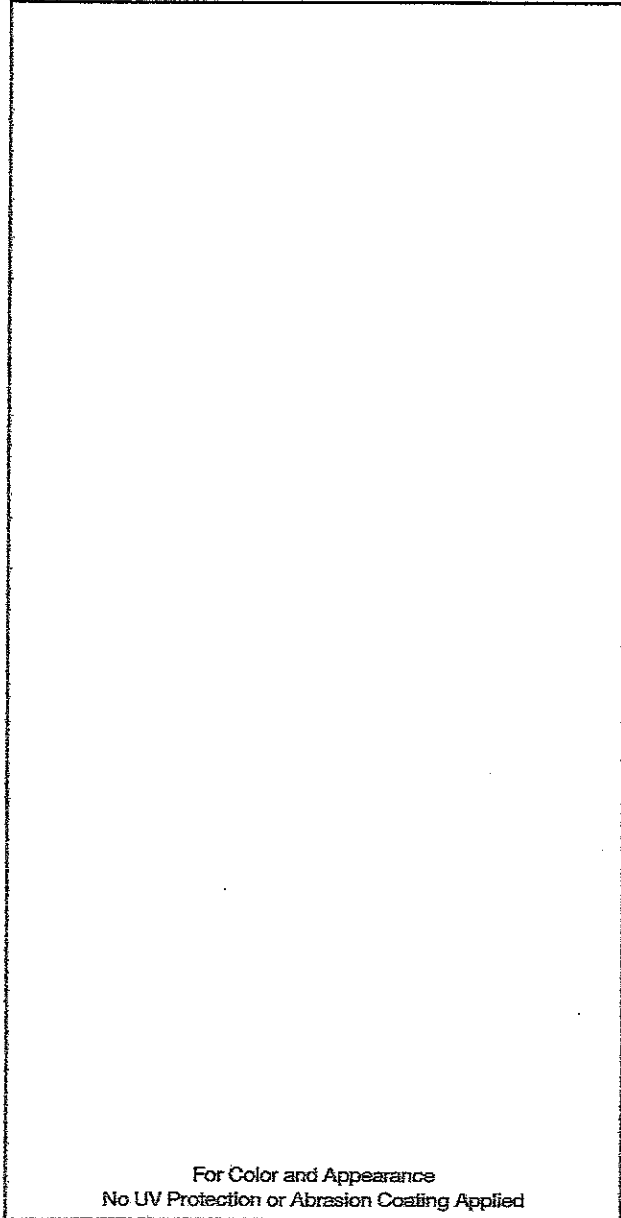


3M

Scotchint™

Sun Control Window Film

RE20NEARL High Performance Neutral







For Color and Appearance
No UV Protection or Abrasion Coating Applied

Inside View





Product Benefits

- Reduces air conditioning costs.
- Reduces glare and eye discomfort.
- Furniture and fabrics have a longer acceptable life.
- Increase personal safety from flying glass.

Product Performance

With RE20NEARL				
Solar Heat Reduction	59%	46%	31%	25%
Heat Loss Reduction	0%	0%	0%	0%
Glare Reduction	82%	82%	82%	80%
UV Blocked	99%	99%	99%	99%
Total Solar Energy Rejected	66%	68%	51%	64%

Technical Data

Glass Type	Applied Product	Shading Coefficient	Visible Light		Emissivity	"U" Value
			Reflected	Transmitted		
	None	0.94	8%	88%	0.84	1.06
	RE20NEARL	0.39	17%	16%	0.84	1.06
	None	0.69	5%	50%	0.84	1.06
	RE20NEARL	0.37	8%	9%	0.84	1.06
	None	0.81	14%	78%	0.84	0.50
	RE20NEARL	0.56	21%	14%	0.84	0.50
	None	0.55	8%	45%	0.84	0.50
	RE20NEARL	0.41	11%	9%	0.84	0.50

Not recommended unless reviewed by 3M sales representative.

Solar Control Film Performance Data

Llumar

1/8-inch (3mm) Single-Pane, Clear

	% Solar Transmittance	% Solar Reflectance	% Solar Absorptance	% Visible Light Transmittance	% Visible Light Reflected	Visible Light Wavelength "U" Value	Shading Coefficient	% Ultraviolet Rejected	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Rejected	Luminous Efficacy	% Solar Heat Reduction	% Glare Reduction
Class only:	88	8	8	90	8	1.03	1.00	29	0.84	0.86	14	0.92	0	0
REFLECTIVE SERIES														
R-15B SR CDF (Bronze)	10	35	55	10	19	0.94	0.28	99	0.79	0.24	76	0.35	72	89
R-15G SR CDF (Gray)	9	33	58	7	13	0.94	0.29	99	0.79	0.25	75	0.24	71	92
R-15BL SR PS (Blue)	10	38	52	11	25	0.94	0.29	99	0.79	0.25	75	0.38	71	88
R-15GD SR PS (Gold)	11	50	39	14	52	0.94	0.25	99	0.79	0.21	79	0.56	71	84
R-30B SR CDF (Bronze)	24	22	54	22	12	0.99	0.43	99	0.74	0.37	63	0.51	57	76
R-30G SR CDF (Gray)	24	22	54	23	13	0.97	0.44	99	0.74	0.38	62	0.50	56	74
PCR-15BL SR CDF (Blue)	15	25	60	13	22	1.00	0.37	99	0.76	0.32	68	0.35	63	86
PCR-35GN SR CDF (Green)	28	25	47	33	22	0.99	0.46	99	0.69	0.40	60	0.72	54	63
R-20-SR CDF (Silver)	14	54	32	18	62	0.94	0.24	99	0.71	0.21	79	0.76	76	80
R-35 SR CDF (Silver)	22	43	35	29	51	0.99	0.35	99	0.73	0.32	66	0.78	64	69
R-50 SR CDF (Silver)	38	28	36	49	27	0.97	0.53	99	0.75	0.46	54	0.92	47	46
REFLECTIVE SERIES														
DR-15 SR CDF (Gray/Silver)	16	37	47	15	37	0.92	0.30	99	0.69	0.26	74	0.50	70	83
DR-25 SR CDF (Gray/Silver)	25	26	49	22	27	0.92	0.47	99	0.67	0.35	65	0.54	59	76
DR-35 SR CDF (Gray/Silver)	35	19	46	35	19	0.93	0.52	99	0.67	0.44	56	0.59	48	60
REFLECTIVE SERIES														
E-1220 SR CDF (Silver)	9	57	34	13	65	0.71	0.24	99	0.35	0.21	79	0.54	76	86
DIFFUSIVE SERIES														
DL-05 G-SR CDF (Gray)	14	25	61	6	13	0.92	0.35	99	0.62	0.30	70	0.17	66	83
DL-15B SR CDF (Bronze)	27	73	60	14	8	0.98	0.45	99	0.77	0.39	61	0.31	55	84
DL-15G SR CDF (Gray)	26	15	59	16	9	0.99	0.45	99	0.78	0.39	59	0.38	55	82
DL-30GN SR PS (Green)	29	20	61	30	17	0.98	0.63	99	0.76	0.46	64	0.57	47	67
DIFFUSIVE SERIES														
N-1020 SR CDF (Neutral)	22	26	52	24	31	1.05	0.43	99	0.84	0.37	63	0.56	57	73
N-1040 SR CDF (Neutral)	36	16	49	44	16	1.00	0.58	99	0.81	0.50	50	0.71	42	64
N-1050 SR CDF (Neutral)	44	13	43	50	15	1.03	0.64	99	0.84	0.55	45	0.78	36	44
N-1055 SR CDF (Neutral)	65	9	26	71	10	1.03	0.82	99	0.84	0.71	29	0.87	18	21
N-1020B SR CDF (Bronze)	14	44	42	21	37	0.93	0.26	99	0.69	0.23	77	0.61	74	77
N-1025B SR CDF (Bronze)	27	35	38	38	25	0.94	0.43	99	0.71	0.38	62	0.68	57	58
N-1050B SR CDF (Bronze)	43	23	34	55	16	0.96	0.57	99	0.73	0.49	51	0.95	43	39
REFLECTIVE SERIES														
NRM-PS2 (Frosty)	67	18	15	69	20	1.03	0.82	98	0.84	0.72	28	0.84	18	23
NRM-B-PS2 (Bronze)	50	13	37	36	17	1.03	0.69	98	0.84	0.61	36	0.52	31	60
NRM-M-PS3 (Black)	0	11	89	0	13	1.03	0.32	100	0.84	0.26	72	0.00	68	100
NRM-W-PS3 (White)	10	49	41	7	58	1.03	0.26	99	0.84	0.22	78	0.28	75	92
NRM-S-PS2 (Silver)	13	57	30	16	60	1.03	0.24	99	0.72	0.21	79	0.57	75	82
UV CL-SR PS (Clear)	84	9	7	84	9	0.99	0.99	99.9	0.83	0.86	14	0.85	1	7
REFLECTIVE SERIES														
NRM FS SR HPR (stripes)	72	17	11	73	20	1.03	0.90	99	0.84	0.79	21	0.81	10	19
NRM FB SR HPR (bands)	63	19	18	63	23	1.03	0.80	99	0.84	0.70	30	0.79	20	30
NRM FTL SR HPR (thin lines)	70	19	11	73	20	1.03	0.84	99	0.84	0.73	27	0.85	16	19
NRM FSD SR HPR (small dots)	78	12	10	82	13	1.03	0.84	99	0.84	0.81	19	0.87	6	9
NRM FMD SR HPR (mini dots)	76	22	11	81	15	1.03	0.91	99	0.84	0.79	21	0.88	9	10
NRM MSQ SR HPR (matte squares)	61	20	19	61	25	1.03	0.75	99	0.84	0.77	34	0.80	25	32
NRM FSQ SR HPR (squares)	68	16	16	69	20	1.03	0.87	99	0.84	0.65	23	0.79	13	23
FROSTED SPARKLE	70	16	14	73	19	1.03	0.85	99	0.84	0.65	23	0.79	13	23
RICE PAPER	63	23	14	67	25	1.01	0.77	99	0.84	0.67	33	0.87	23	26
REFLECTIVE SERIES														
BLUE SR HPR	61	8	31	28	8	1.03	0.80	98	0.84	0.70	30	0.35	20	69
GREEN SR HPR	46	7	47	32	8	1.03	0.68	98	0.84	0.59	41	0.47	32	71
RED SR HPR	53	8	33	26	8	1.03	0.79	98	0.84	0.69	31	0.33	21	6
YELLOW SR HPR	73	9	18	85	8	1.03	0.90	98	0.84	0.78	22	0.94	10	3
SAFETY SERIES														
SCL SR PS4	61	9	10	69	10	1.03	0.97	95	0.84	0.84	16	0.92	3	1
SCL SR PS6	79	9	12	88	10	1.03	0.94	99	0.84	0.82	18	0.94	6	2
SCL SR PS7	81	9	10	88	10	1.06	0.96	95	0.84	0.84	15	0.92	4	2
SCL SR PS8	78	9	13	88	11	1.03	0.94	99	0.84	0.82	18	0.94	6	2
SCL SR PS11	76	9	13	85	11	1.03	0.93	99	0.84	0.81	19	0.91	7	6
SCL SR PS15	75	10	14	83	11	1.03	0.92	99	0.84	0.80	20	0.90	8	8
R-20 SR PS4 & 8	14	54	32	18	62	0.94	0.43	99	0.74	0.37	63	0.51	57	76
N-1020 SR PS4 & 8	22	26	52	24	31	1.03	0.43	99	0.71	0.21	79	0.75	76	80
N-1040 SR PS4 & 8	36	16	48	41	18	1.03	0.55	99	0.84	0.47	63	0.56	57	73
N-1050 SR PS4 & 8	44	13	43	50	15	1.03	0.64	99	0.84	0.55	45	0.78	49	54
NUV65 SR PS4	63	9	28	63	11	1.03	0.79	99.9	0.84	0.71	29	0.80	21	21
REFLECTIVE SERIES														
GCL SR PS4	81	8	10	89	10	1.02	0.97	95	0.84	0.84	16	0.92	3	1
GCL SR PS6	79	8	13	89	10	1.02	0.95	99	0.84	0.83	17	0.94	5	1
REFLECTIVE SERIES														
RK-20 PS (Silver)	14	65	21	18	62	1.02	0.23	99	0.71	0.20	80	0.78	77	80

ACE SECURITY LAMINATES

Crosspointe...be Secure!

Is your home vulnerable?

- 66% of all break-ins occur through glass.
- Hawaii had the 2nd highest overall property crime rate in 2000.
- The value of property stolen in Hawaii during 2001 was up 11.7% over 2000.
- The value of property stolen in Hawaii during 2002 was up 6.5% over 2001.
- 85% of blast injuries are due to flying glass.
- Damage to structures is dramatically with the loss of doors and windows.
- Taping windows is not recommended.
- More damage is likely to happen should windows be left open in a hurricane to equalize pressure.



Most contractors feel that 15 mil film is "overkill", please be advised that the minimum proven thickness for hurricane and security is between 9mil and 14mil. ACE products are government inspected and have passed third party testing in more categories than all major competitors.

ACE Security Laminates has a non-transferable limited lifetime warranty for its line of laminates against peeling, cracking, yellowing and delaminating .



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Honolulu, HI 96817

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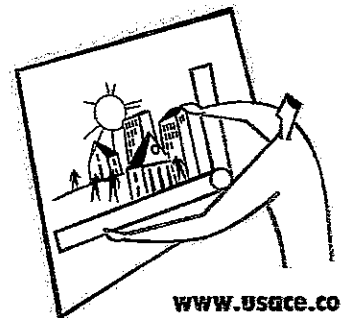
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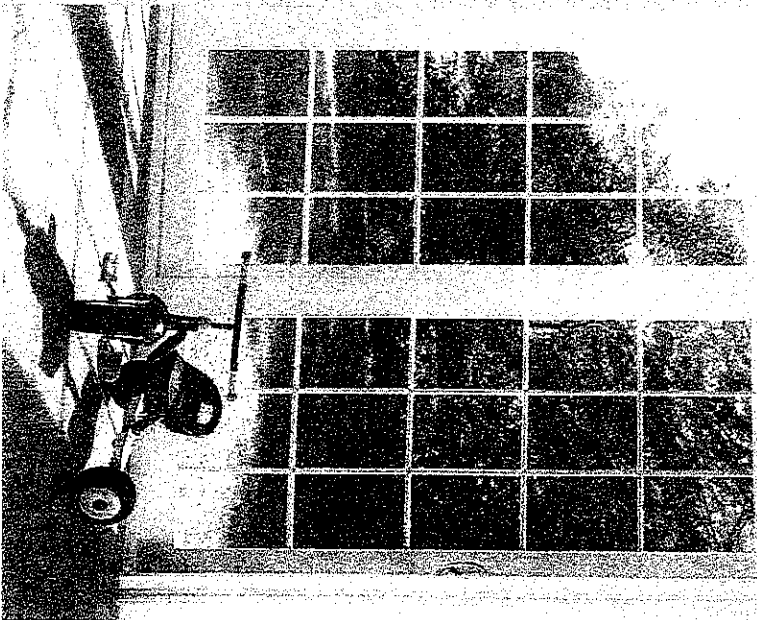
New Castle XT Patio Doors French or Standard Rail Style

Features and Benefits

- Seinless-steel rollers provide a smooth glide
- Self-latching, heavy-duty aluminum screen has separate track and rollers for smooth operation
- Two-point lock with adjustable strikes is standard on 2- and 3-panel doors and four-point lock is standard on 4-panel doors
- Shock-lock in 4-panel doors for added security
- 3/4" insulated, tempered glass unit for excellent thermal performance
- Anodized aluminum threshold cover
- Fully fusion-welded corners in panel and frame

Options

- White or almond
- 4-point lock system on 2- and 3-panel doors
- Polished gold color interior handle
- Saddles and transoms
- Exterior key lock
- Thermaclear® glazing system with low-conductance spacer and insulating argon gas
- Panels can be made with 2-1/2" sills and rails, when a more standard look is desired
- PrismGrid™ optional beveled glass



West Coast Wholesale

Greg Hirata

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The door with more design flexibility

Gambinof's sliding patio doors offer exceptional design flexibility with a choice of styles, plus a selection of saddles and transoms that allow builders to create larger and more beautiful combinations than ever before.

Easy operation

Heavy-duty rollers on sliding patio doors and the adjustable hinge system on the hinged doors assure trouble-free performance and easy operation.

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INSULATE SERIES™
INSULATE SLIMLINE SERIES™

APPROVED FOR
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