

Hanita Architectural Films on 3mm (1/8") Clear Single Pane

	Visible Light Transmitted %	Visible Light Reflected (Int) %	Visible Light Reflected (Ext) %	UV Block %	Total Solar Energy Reflected %	Total Solar Energy Transmitted %	Total Solar Energy Absorbed %	Shading Coefficient	Total Solar Energy Rejected %	Solar Heat Gain Coefficient	Emissivity (Room side)	U-Value Winter [IP]	U-Value Winter [SI]	Glare Reduction %	Luminous Efficacy
Glazing 3mm (1/8") clear single pane	90	9	9	30	8	84	8	0.99	14	0.86	0.84	1.04	5.92		
Reflective Films Interior															
Silver															
Silver 20	18	62	61	99	55	13	32	0.25	78	0.22	0.71	0.97	5.51	80	0.72
Silver 35	33	41	42	99	39	25	36	0.40	65	0.35	0.72	0.98	5.57	63	0.83
Silver 50	51	23	24	97	24	39	37	0.58	50	0.50	0.81	1.02	5.78	44	0.88
Silver Matte	19		56	99	50	14	36	0.28	76	0.24	0.73	0.97	5.54	79	0.68
Solar Bronze															
Solar Bronze 20	17	45	40	99	53	9	38	0.23	81	0.19	0.69	0.96	5.45	81	0.74
Solar Bronze 35	33	29	30	99	44	21	35	0.35	70	0.30	0.70	0.97	5.51	63	0.94
Low-E															
Silver 20, Low-E	17	63	56	99	51	12	37	0.24	80	0.20	0.39	0.79	4.49	81	0.71
Silver 35, Low-E	27	49	44	99	41	19	40	0.33	72	0.28	0.45	0.83	4.71	70	0.82
Neutral Films Interior															
Cold Steel															
Cold Steel 20	22	24	25	99	29	14	57	0.36	70	0.30	0.76	1.00	5.68	76	0.62
Cold Steel 35	40	15	17	99	17	29	54	0.52	55	0.45	0.82	1.03	5.85	56	0.77
Cold Steel 50	51	16	18	99	20	40	40	0.60	48	0.52	0.84	1.04	5.91	43	0.85
Cold Steel 70	68	9	10	99	10	59	31	0.79	31	0.69	0.91	1.08	6.13	25	0.86
Natura															
Natura 15	17	15	13	99	14	15	71	0.43	63	0.37	0.85	1.05	5.94	81	0.40
Natura 28	31	9	14	99	15	33	52	0.56	52	0.48	0.87	1.05	6.00	65	0.55
Dual Reflective Films Interior															
OptiTune															
OptiTune 05	6	15	63	99	56	6	38	0.19	84	0.16	0.75	0.99	5.62	93	0.32
OptiTune 15	13	25	56	99	51	12	37	0.26	78	0.22	0.76	1.00	5.68	85	0.50
OptiTune 22	21	15	32	99	31	18	51	0.38	67	0.33	0.80	1.02	5.79	77	0.55
OptiTune 30	32	26	32	99	32	25	43	0.44	63	0.37	0.81	1.03	5.85	63	0.73
OptiTune 40	41	18	21	99	22	33	45	0.54	54	0.46	0.83	1.04	5.91	54	0.76
Titan Duo															
Titan Duo 05	7	18	59	99	53	7	40	0.21	82	0.18	0.78	1.01	5.73	92	0.33
Titan Duo 15	12	25	56	99	51	9	40	0.23	80	0.20	0.70	0.97	5.49	87	0.52
Spectrally Selective Films Interior															
Argent 50	51	28	20	99	30	36	34	0.51	56	0.44	0.66	0.94	5.34	44	1.00
Argent 65	65	26	26	99	35	44	21	0.57	51	0.49	0.69	0.96	5.45	28	1.14
e-Lite 70	66	15	16	99	23	36	41	0.55	52	0.48	0.73	0.98	5.59	27	1.20
Specialty Films Decorative/Privacy															
Matte Translucent, 2 mil	72		17	94	14	68	18	0.84	27	0.73	0.90	1.07	6.08	20	0.86
Black Out	0		6	100	41	0	59	0.20	84	0.16	0.72	0.98	5.57	100	0.00
White Out	10		48	99	36	17	47	0.37	69	0.31	0.90	1.07	6.08	89	0.27
UV Filter, 2 mil	87		10	100	9	79	12	0.95	18	0.82	0.86	1.05	5.96	3	0.92

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SolarZone Xtra Films Exterior															
Silver															
Silver 20 Xtra	17	62	62	99	63	12	25	0.22	81	0.19	0.84	1.04	5.91	81	0.77
Silver 35 Xtra	33	42	42	99	45	25	30	0.39	66	0.34	0.84	1.04	5.91	63	0.84
Silver 50 Xtra	48	28	27	99	30	37	33	0.53	54	0.46	0.84	1.04	5.91	46	0.90
PolyZone Silver 20 Xtra	16	63	64	99	65	12	23	0.22	81	0.19	0.84	1.04	5.91	82	0.73
Silver Matte 20 Xtra	13	48	60	99	62	10	28	0.22	81	0.19	0.84	1.04	5.91	84	0.59
Solar Bronze															
Solar Bronze 20 Xtra	16	46	39	99	64	9	27	0.20	83	0.17	0.84	1.04	5.91	82	0.80
Solar Bronze 35 Xtra	33	28	30	99	52	21	27	0.33	71	0.29	0.84	1.04	5.91	64	1.00
Titan Dual Reflective															
Titan 07 Xtra	8	18	57	99	58	7	35	0.21	82	0.18	0.84	1.04	5.91	91	0.38
Titan 20 Xtra	19	14	34	99	38	18	44	0.36	69	0.31	0.84	1.04	5.91	79	0.53
Titan 35 Xtra	35	14	22	99	25	31	44	0.50	57	0.43	0.84	1.04	5.91	61	0.70
Titan 50 Xtra	53	19	18	99	22	40	38	0.59	49	0.51	0.84	1.04	5.91	41	0.90
Spectrally Selective															
Optilite 75 Xtra	76	9	9	99	8	39	53	0.62	46	0.54	0.84	1.04	5.91	16	1.23

XTRM SolarZone Films Exterior

Silver															
XTRM Silver 20	15	63	63	99.9	64	11	25	0.20	83	0.17	0.84	1.04	5.91	84	0.75
XTRM Silver 35	30	46	49	99.9	53	22	25	0.34	71	0.29	0.84	1.04	5.91	67	0.89
XTRM SkyLite S20X	15	63	66	99.9	64	10	26	0.20	83	0.17	0.84	1.03	5.85	84	0.75
XTRM PolyZone SkyLite	15	63	66	99.9	64	10	26	0.20	83	0.17	0.84	1.03	5.85	84	0.75
Titan Dual Reflective															
XTRM Titan 07	7	20	66	99.9	66	7	27	0.17	85	0.15	0.84	1.04	5.91	92	0.41
XTRM Titan 20	20	17	40	99.9	44	17	39	0.33	71	0.29	0.84	1.04	5.91	78	0.60
XTRM Titan 35	36	14	22	99.9	25	31	44	0.50	57	0.43	0.84	1.04	5.91	61	0.72

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SolarZone Safe Films

Silver															
Silver 20, 4 mil	19	61	60	99	53	14	33	0.27	77	0.23	0.74	0.99	5.62	79	0.70
Silver 20, 5 mil Xtra	17	62	63	99	64	13	23	0.23	81	0.19	0.84	1.04	5.91	81	0.74
Silver 20, 9 mil	20	61	57	99	50	15	35	0.30	75	0.25	0.91	1.08	6.13	78	0.67
Silver 20, 12 mil	18	62	61	99	53	13	34	0.27	77	0.23	0.88	1.06	6.02	81	0.66
Cold Steel															
Cold Steel 35, 6 mil	40	16	18	99	19	29	52	0.52	56	0.44	0.90	1.07	6.08	56	0.77
Cold Steel 50, 6 mil	52	16	17	99	19	41	40	0.62	47	0.53	0.90	1.07	6.08	42	0.84
Cold Steel 35, 10 mil	40	17	17	99	18	30	52	0.53	54	0.46	0.91	1.08	6.13	55	0.76
Cold Steel 50, 10 mil	52	16	16	99	17	43	40	0.64	45	0.55	0.92	1.08	6.13	42	0.81
Dual Reflective films															
OptiTune 22, 5 mil	21	15	32	99	32	18	50	0.38	67	0.33	0.82	1.03	5.85	77	0.55
OptiTune 30, 10 mil	36	22	25	99	26	28	46	0.49	58	0.42	0.90	1.06	6.02	60	0.73

SafetyZone Clear

Matte															
Matte, 5 mil	58		25	98	20	55	25	0.72	38	0.62	0.90	1.07	6.08	36	0.80
Matte, 12 mil	55		28	99	22	52	26	0.69	40	0.60	0.90	1.07	6.08	38	0.80
Clear															
Clear, 4 mil	89	10	10	97	9	81	10	0.96	16	0.84	0.91	1.07	6.07	1	0.93
Clear, 7 mil	88	11	11	99	9	80	11	0.95	17	0.83	0.91	1.07	6.07	2	0.93
Clear, 8 mil	88	11	11	99	9	80	11	0.95	17	0.83	0.91	1.07	6.07	2	0.92
Clear, 12 mil	87	11	11	99	10	78	12	0.94	18	0.82	0.90	1.07	6.07	3	0.93
Clear, 15 mil	87	11	11	99	11	77	12	0.94	18	0.82	0.90	1.07	6.07	3	0.93
Anti-Graffiti Films															
Anti Graffiti, 6mil Xtra	88	10	10	99	9	79	12	0.95	18	0.82	0.84	1.07	6.05	2	0.93
Clear															
Clear, 4 mil Xtra	88	10	10	99	10	80	10	0.96	17	0.83	0.84	1.04	5.91	2	0.92