

PROFESSIONAL ANTI- FRAGMENTATION FILMS DESIGNED FOR GLASS HAZARD MITIGATION	TRIDENT™ FILM	FILM GAUGE (INCHES)	PLIES	LIGHT TRANS	SOLAR ENERGY REJECTED	IMPACT TESTS			SMOKE & FLAME TESTS				
						ANSI Z97.1	16 CFR 1201	BS 6206	SMOKE GEN.	ASTM E84-98 TIME TO IGNITE (SECONDS)	FLAME FRONT (MAX FEET)	RATE OF BURNING (IN/SEC)	D882 BREAK STR. (PLI)
	SEC02	0.002	1	87%	18%				20	205	1	0.1	50
	SEC04	0.004	1	87%	19%	PASS	CAT I	CLASS B	20	205	1	0.1	100
	SEC07	0.007	1	86%	21%	PASS	CAT I	CLASS A	20	205	1	0.1	175
	SEC08	0.008	2	86%	20%	PASS	CAT II	CLASS A	35	92	2	0.1	200
	SEC11	0.011	2	86%	21%	PASS	CAT II	CLASS A	35	92	2	0.1	275
	SEC12	0.012	3	85%	22%	PASS	CAT II	CLASS A	35	92	2	0.1	300
	S4DN60	0.005	2	61%	36%	PASS	CAT I	CLASS B	40	122	1.5	0.06	125
	S4DN50	0.005	2	48%	47%	PASS	CAT I	CLASS B	40	122	1.5	0.06	125
	S4DN35	0.005	2	38%	54%	PASS	CAT I	CLASS B	40	122	1.5	0.06	125
	S4DN20	0.005	2	19%	66%	PASS	CAT I	CLASS B	40	122	1.5	0.06	125
	S4SS35	0.005	2	37%	61%	PASS	CAT I	CLASS B	40	122	1.5	0.06	125
	S4SS20	0.005	2	20%	73%	PASS	CAT I	CLASS B	40	122	1.5	0.06	125
	S7DN60	0.008	2	61%	36%	PASS	CAT I	CLASS A	40	122	1.5	0.06	200
	S7DN50	0.008	2	48%	47%	PASS	CAT I	CLASS A	40	122	1.5	0.06	200
	S7DN35	0.008	2	38%	54%	PASS	CAT I	CLASS A	40	122	1.5	0.06	200
	S7DN20	0.008	2	19%	66%	PASS	CAT I	CLASS A	40	122	1.5	0.06	200
	S7SS35	0.008	2	37%	61%	PASS	CAT I	CLASS A	40	122	1.5	0.06	200
	S7SS20	0.008	2	20%	73%	PASS	CAT I	CLASS A	40	122	1.5	0.06	200

All Johnson Trident™ films reject 98% or more of harmful UV rays and are protected by a scratch resistant hard coat.

In addition, all of the above films meet the following specifications:

FLAME SPREAD= 5 NFPA CLASS= A UBC CLASS=1 ASTM D-1044 % HAZE CHANGE= <4.4 D3330 PEEL ADHESIVE #/INCH= >5

Solar specification testing performed by on film mounted to 1/8" Starphire® Ultra-Clear glass. Tests, equipment and methods are in accordance with ASTM, ANSI, and NFRC standards. Calculations performed using L.B.L. Optics/Window 5.2. Values expressed hereof are typical and provided for comparative purposes only.