

# Optical and solar coefficients / Optische und Solar-Kennzahlen / Coefficients optiques et solaires (DIN EN 410)



Colorama 1										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	
400	0.49	0.68	51.5	2.1	44.8	53.1	2.9	44.2	52.9	400
401	0.51	0.70	41.4	7.0	40.6	52.4	8.9	39.6	51.5	401
402	0.50	0.70	45.7	4.3	41.6	54.1	3.8	41.8	54.4	402
404	0.54	0.74	27.1	22.1	33.1	44.8	41.0	23.4	35.6	404
406	0.57	0.79	18.3	37.7	25.5	36.8	75.5	5.1	19.4	406
407	0.53	0.73	31.8	19.2	35.4	45.4	38.1	25.3	36.6	407
408	0.53	0.74	31.5	19.2	34.3	46.5	29.2	29.4	41.4	408
409	0.56	0.78	19.7	38.4	26.5	35.1	77.7	4.8	17.5	409
410	0.50	0.69	47.4	2.5	42.4	55.1	1.8	42.9	55.3	410
411	0.55	0.77	27.1	31.5	29.0	39.5	66.1	10.2	23.7	411
413	0.53	0.74	31.3	23.6	33.3	43.1	49.9	19.0	31.1	413
414	0.50	0.69	38.5	6.9	42.5	50.6	5.2	43.5	51.3	414
415	0.50	0.70	33.4	11.8	40.1	48.1	9.4	41.5	49.1	415
416	0.53	0.74	30.9	22.4	34.1	43.5	41.1	24.2	34.7	416
418	0.51	0.70	34.6	11.2	39.9	48.9	16.9	37.0	46.1	418
420	0.56	0.78	20.1	33.8	27.0	39.2	75.4	5.3	19.3	420
421	0.52	0.72	31.1	17.0	36.7	46.3	22.0	34.4	43.6	421
422	0.53	0.74	25.2	21.3	34.3	44.4	36.4	26.3	37.3	422
423	0.55	0.76	21.9	29.2	29.7	41.1	66.7	10.2	23.1	423
427	0.57	0.79	15.8	42.5	24.8	32.7	84.5	2.5	13.0	427
428	0.53	0.74	19.9	26.2	33.4	40.4	49.9	20.8	29.3	428
429	0.53	0.73	34.3	17.9	35.4	46.7	36.4	25.8	37.8	429
433	0.58	0.80	25.3	37.5	23.1	39.4	75.3	3.7	21.0	433
436	0.54	0.75	25.1	25.5	31.9	42.6	51.6	17.9	30.5	436
437	0.54	0.75	25.9	28.0	31.8	40.2	60.6	13.7	25.7	437
439	0.49	0.68	36.1	8.9	43.6	47.5	13.4	41.3	45.3	439
440	0.51	0.71	43.2	8.1	39.5	52.4	12.2	37.3	50.5	440
441	0.50	0.70	44.2	6.6	41.2	52.2	10.3	39.1	50.6	441
442	0.51	0.71	42.4	9.4	39.3	51.3	17.1	35.1	47.8	442
443	0.56	0.77	20.7	34.8	27.4	37.8	66.3	9.4	22.3	443
445	0.54	0.75	27.7	27.3	31.0	41.7	55.6	15.8	28.6	445
446	0.56	0.77	22.3	34.9	27.3	37.8	69.3	8.7	22.0	446
447	0.54	0.74	28.8	24.8	32.8	42.4	50.4	19.0	30.6	447
448	0.56	0.78	23.7	35.1	27.1	37.8	73.6	6.5	19.9	448
450	0.50	0.70	22.8	11.0	43.0	46.0	10.9	43.4	45.7	450
451	0.50	0.70	27.7	10.8	42.0	47.2	18.2	38.4	43.4	451
452	0.50	0.70	26.7	9.4	43.9	46.7	18.0	39.8	42.2	452
463	0.51	0.71	38.5	11.6	38.4	50.0	19.6	34.3	46.1	463
469	0.51	0.71	35.0	16.3	38.9	44.8	35.0	28.9	36.1	469
476	0.51	0.71	34.0	15.3	39.1	45.6	31.3	30.8	37.9	476



Element										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	
01	0.34	0.47	2.0	10.0	73.0	17.0	3.0	82.0	15.0	01
02	0.43	0.60	0.0	39.0	51.0	10.0	43.0	52.0	5.0	02
04	0.38	0.53	0.0	20.0	63.0	17.0	19.0	68.0	13.0	04
09	0.39	0.53	0.0	23.0	62.0	15.0	26.0	64.0	10.0	09
11	0.40	0.56	0.0	29.0	58.0	13.0	48.0	48.0	4.0	11
12	0.39	0.54	0.0	26.0	61.0	13.0	34.0	60.0	6.0	12
14	0.40	0.56	0.0	33.0	58.0	9.0	54.0	45.0	1.0	14
15	0.41	0.58	0.0	35.0	55.0	10.0	46.0	51.0	3.0	15
16	0.44	0.61	0.0	38.0	50.0	12.0	83.0	16.0	1.0	16
17	0.58	0.80	0.0	80.5	19.0	0.5	79.5	20.0	0.5	17
18	0.50	0.69	0.0	62.0	36.0	2.0	57.0	40.0	3.0	18
23	0.49	0.69	0.0	57.0	37.0	6.0	84.5	15.0	0.5	23

Freshtex Dimout										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	
1	0.50	0.70	0.0	59.5	40.3	0.2	62.4	37.5	0.1	1
2	0.50	0.70	0.0	61.5	38.3	0.2	68.7	31.2	0.1	2
3	0.50	0.70	0.0	64.6	35.2	0.2	86.0	14.0	0.0	3
7	0.50	0.70	0.0	59.5	40.3	0.2	68.8	31.2	0.0	7
9	0.50	0.60	0.0	55.0	44.8	0.2	55.8	44.1	0.1	9
13	0.50	0.80	0.0	73.1	26.7	0.2	95.4	4.6	0.0	13
17	0.50	0.80	0.0	73.1	26.7	0.2	95.4	4.6	0.0	17
16	0.50	0.70	0.0	62.3	37.6	0.1	72.0	28.0	0.0	16
18	0.50	0.80	0.0	72.8	27.1	0.1	95.7	4.3	0.0	18
25	0.50	0.80	0.0	73.9	25.9	0.2	95.8	4.2	0.0	25
28	0.50	0.70	0.0	59.9	39.9	0.2	69.2	30.8	0.0	28
38	0.50	0.70	0.0	66.6	33.2	0.2	83.8	16.2	0.0	38

Sunset										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	
07	0.50	0.70	0.0	57.1	42.4	0.5	67.3	32.6	0.1	07
08	0.50	0.60	0.0	53.7	45.8	0.5	61.6	38.3	0.1	08
11	0.60	0.40	0.0	51.6	47.7	0.7	50.7	48.9	0.4	11
17	0.50	0.70	0.0	68.4	31.2	0.4	91.4	8.6	0.0	17
18	0.50	0.70	0.0	64.5	35.2	0.3	81.2	18.8	0.0	18
27	0.50	0.70	0.0	68.4	31.2	0.4	91.4	8.6	0.0	27
28	0.50	0.70	0.0	69.2	30.5	0.3	93.6	6.4	0.0	28
37	0.40	0.60	0.0	48.1	51.3	0.6	47.3	52.3	0.4	37
38	0.50	0.70	0.0	72.3	27.3	0.4	97.3	2.7	0.0	38

Colorama 1 Alu										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	
410	0.53	0.74	27.2	39.7	32.0	28.3	40.9	30.5	28.6	410
411	0.52	0.72	20.0	43.8	33.4	22.8	53.1	28.9	18.0	411
427	0.52	0.72	16.4	46.2	33.5	20.3	57.1	27.7	15.2	427
440	0.51	0.70	22.5	39.6	36.5	23.9	41.2	35.2	23.6	440

Linea											
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>		
67	0.59	0.82	-	42.0	7.0	34.0	59.0	4.0	36.0	60.0	67
69	0.63	0.87	-	36.0	23.0	24.0	53.0	41.0	15.0	44.0	69
70	0.61	0.84	-	38.0	13.0	31.0	56.0	19.0	28.0	53.0	70
80	0.60	0.83	-	48.0	5.0	31.0	64.0	3.0	33.0	64.0	80
40	0.61	0.84	-	43.0	15.0	30.0	55.0	25.0	25.0	50.0	40
85	0.65	0.90	-	35.0	32.0	19.0	49.0	62.0	3.0	35.0	85
80	0.50	0.70	21.0	19.0	29.0	14.0	45.0	41.0	14.0	46.0	80
84	0.51	0.71	21.0	13.0	27.0	21.0	43.0	36.0	23.0	34.0	84
89	0.52	0.72	19.0	2.0	21.0	42.0	36.0	22.0	44.0	35.0	89

Freshtex Light										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	
01	0.50	0.80	35.1	13.0	32.4	54.6	8.4	35.4	56.2	01
02	0.50	0.70	34.1	8.0	40.2	51.8	7.2	41.1	51.7	02
03	0.60	0.80	23.3	29.2	28.8	42.0	59.5	13.3	27.2	03
04	0.60	0.80	26.2	28.8	30.5	40.7	66.3	10.1	23.6	04
05	0.50	0.70	40.7	16.6	34.2	49.2	31.4	27.4	41.2	05
07	0.50	0.70	39.2	3.5	40.2	56.3	1.1	42.0	56.9	07
09	0.50	0.70	20.8	10.3	40.1	49.6	6.8	42.3	50.9	09
12	0.50	0.80	40.8	12.3	33.1	54.6	12.5	33.5	54.0	12
25	0.60	0.80	28.6	34.5	24.2	41.3	64.9	8.1	27.0	25
26	0.50	0.70	37.3	14.4	33.9	51.7	9.9	37.0	53.1	26
27	0.50	0.70	39.1	15.7	33.8	50.5	21.6	31.4	47.0	27
28	0.60	0.80	25.5	36.1	25.2	38.7	60.5	12.3	27.2	28
36	0.50	0.70	38.5	12.6	36.3	51.1	13.0	36.8	50.2	36
37	0.50	0.70	31.4	10.3	36.1	53.6	12.2	35.4	52.4	37
38	0.60	0.80	22.7	39.8	21.3	38.9	74.8	3.3	21.9	38
42	0.60	0.80	31.9	23.3	28.4	48.3	42.7	18.9	38.4	42
47	0.50	0.70	35.2	16.1	35.2	48.7	25.1	31.1	43.8	47
52	0.50	0.80	23.5	22.7	32.3	45.0	32.8	27.6	39.6	52
57	0.60	0.80	27.0	26.9	29.3	43.8	49.6	17.5	32.9	57
67	0.60	0.80	28.2	34.0	23.9	42.1	68.6	5.9	25.5	67

Multi Shadow										
Colour Farbe Couleur	T <sub>v</sub>	R <sub>v</sub>	A <sub>v</sub>	T <sub>s</sub>	R <sub>s</sub>	A <sub>s</sub>	T <sub>UV</sub>	F <sub>c</sub>	g <sub>tot</sub>	

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Aluscreen Futura	
Colour Farbe Couleur	
Tv	4.0
Rv	4.0
Av	24.0
Ts	72.0
Rs	4.0
As	24.0
Tuv	2.0
Tv <sub>h-dif</sub>	2.0
Tv <sub>h-refl</sub>	2.0
Fc	2.80
g <sub>tot</sub>	0.33

Alutex	
Colour Farbe Couleur	
Tv	4.0
Rv	4.0
Av	45.0
Ts	6.0
Rs	48.0
As	5.0
Tuv	4.0
Fc	0.61
g <sub>tot</sub>	0.44

Alutrans Pro	
Colour Farbe Couleur	
Tv	26.0
Rv	26.0
Av	33.0
Ts	42.0
Rs	26.0
As	32.0
Tuv	25.0
Fc	0.66
g <sub>tot</sub>	0.48

Colorama 2	
Colour Farbe Couleur	
Tv	36.2
Rv	36.2
Av	3.3
Ts	60.6
Rs	3.3
As	60.6
Tuv	35.1
Fc	0.40
g <sub>tot</sub>	0.40

Colorama 2 Alu	
Colour Farbe Couleur	
Tv	15.6
Rv	15.6
Av	41.2
Ts	42.2
Rs	15.6
As	42.2
Tuv	14.9
Fc	0.48
g <sub>tot</sub>	0.48

Colorama 2 Bioactive	
Colour Farbe Couleur	
Tv	35.2
Rv	35.2
Av	4.0
Ts	62.0
Rs	35.2
As	62.0
Tuv	4.6
Fc	0.40
g <sub>tot</sub>	0.40

Ecoscreen	
Colour Farbe Couleur	
Tv	28.6
Rv	28.6
Av	11.1
Ts	60.3
Rs	28.6
As	11.1
Tuv	8.0
Fc	0.40
g <sub>tot</sub>	0.40

Freshtex Linlook	
Colour Farbe Couleur	
Tv	28.0
Rv	28.0
Av	54.8
Ts	31.2
Rs	28.0
As	54.8
Tuv	17.7
Fc	0.50
g <sub>tot</sub>	0.50

Freshtex Vision	
Colour Farbe Couleur	
Tv	38.9
Rv	38.9
Av	0.7
Ts	60.4
Rs	38.9
As	0.7
Tuv	6.8
Fc	0.60
g <sub>tot</sub>	0.40

Function	
Colour Farbe Couleur	
Tv	32.3
Rv	32.3
Av	1.1
Ts	63.8
Rs	32.3
As	1.1
Tuv	18.3
Fc	0.39
g <sub>tot</sub>	0.39

Jumbotex	
Colour Farbe Couleur	
Tv	900
Rv	900
Av	1.2
Ts	73.7
Rs	900
As	1.2
Tuv	3.2
Fc	0.34
g <sub>tot</sub>	0.34

Lightscreen	
Colour Farbe Couleur	
Tv	17.0
Rv	17.0
Av	4.0
Ts	79.0
Rs	17.0
As	4.0
Tuv	5.0
Fc	0.36
g <sub>tot</sub>	0.36

Mica	
Colour Farbe Couleur	
Tv	7.2
Rv	7.2
Av	10.2
Ts	82.6
Rs	7.2
As	10.2
Tuv	7.3
Fc	0.50
g <sub>tot</sub>	0.50

Multiscreen 1%		Multiscreen 5%		Multiscreen 10%	
Colour Farbe Couleur		Colour Farbe Couleur		Colour Farbe Couleur	
Tv	11.8	Tv	11.8	Tv	11.8
Rv	11.8	Rv	11.8	Rv	11.8
Av	2.0	Av	2.0	Av	2.0
Ts	70.2	Ts	70.2	Ts	70.2
Rs	11.8	Rs	11.8	Rs	11.8
As	2.0	As	2.0	As	2.0
Tuv	2.0	Tuv	2.0	Tuv	2.0
Fc	0.46	Fc	0.46	Fc	0.46
g <sub>tot</sub>	0.46	g <sub>tot</sub>	0.46	g <sub>tot</sub>	0.46

Multi Visio	
Colour Farbe Couleur	
Tv	42.0
Rv	42.0
Av	6.0
Ts	50.0
Rs	42.0
As	6.0
Tuv	32.0
Fc	0.46
g <sub>tot</sub>	0.46

Newlife 1		Newlife 2	
Colour Farbe Couleur		Colour Farbe Couleur	
Tv	43.4	Tv	27.2
Rv	43.4	Rv	27.2
Av	13.3	Av	11.5
Ts	45.5	Ts	37.5
Rs	43.4	Rs	27.2
As	13.3	As	11.5
Tuv	35.7	Tuv	11.5
Fc	0.48	Fc	0.41
g <sub>tot</sub>	0.48	g <sub>tot</sub>	0.41

Reflex	
Colour Farbe Couleur	
Tv	11.0
Rv	11.0
Av	4.0
Ts	49.0
Rs	11.0
As	4.0
Tuv	11.0
Fc	0.44
g <sub>tot</sub>	0.44

Safescreen	
Colour Farbe Couleur	
Tv	119
Rv	119
Av	0.0
Ts	60.0
Rs	119
As	0.0
Tuv	5.20
Fc	0.41
g <sub>tot</sub>	0.41

Sevena	
Colour Farbe Couleur	
Tv	42.6
Rv	42.6
Av	1.0
Ts	56.4
Rs	42.6
As	1.0
Tuv	15.8
Fc	0.40
g <sub>tot</sub>	0.40

Treviscreen	
Colour Farbe Couleur	
Tv	32.0
Rv	32.0
Av	6.0
Ts	62.0
Rs	32.0
As	6.0
Tuv	24.0
Fc	0.41
g <sub>tot</sub>	0.41

Triscreen 1%		Triscreen 3%		Triscreen 5%	
Colour Farbe Couleur		Colour Farbe Couleur		Colour Farbe Couleur	
Tv	20.4	Tv	20.4	Tv	20.4
Rv	20.4	Rv	20.4	Rv	20.4
Av	1.3	Av	1.3	Av	1.3
Ts	78.3	Ts	78.3	Ts	78.3
Rs	20.4	Rs	20.4	Rs	20.4
As	1.3	As	1.3	As	1.3
Tuv	24.0	Tuv	24.0	Tuv	24.0
Fc	0.35	Fc	0.35	Fc	0.35
g <sub>tot</sub>	0.35	g <sub>tot</sub>	0.35	g <sub>tot</sub>	0.35

Versascreen 1%		Versascreen 5%		Versascreen 10%	
Colour Farbe Couleur		Colour Farbe Couleur		Colour Farbe Couleur	
Tv	11.0	Tv	11.0	Tv	11.0
Rv	11.0	Rv	11.0	Rv	11.0
Av	5.0	Av	5.0	Av	5.0
Ts	71.0	Ts	71.0	Ts	71.0
Rs	11.0	Rs	11.0	Rs	11.0
As	5.0	As	5.0	As	5.0
Tuv	11.0	Tuv	11.0	Tuv	11.0
Fc	0.34	Fc	0.34	Fc	0.34
g <sub>tot</sub>	0.34	g <sub>tot</sub>	0.34	g <sub>tot</sub>	0.34