

## Europe

Ceramic printed area (CPA) of panoramic sunroof glazing:

Nr	panel type		size of CPA at position [mm]				percentage share frit
	front	rear	A	B	C	D	
1	x		95	107	192	107	50%
2	x		95	111	192	111	50%
3	x		110	133	93	133	
4	x		110	137	94	137	
5	x		77	148	130	148	49%
6	x		79	85	123	85	42%
7		x	120	114	158	114	48%
8	x		95	140	176	140	49%
9	x		53	82	108	82	
10		x	122	71	64	71	62%
11	x		97	56	51	56	34%
12		x	12	41	56	41	23%
13	x		54	75	62	75	31%
14	x		113	98	126	98	47%
15		x	56	65	389	65	62%
16	x		72	92	117	92	43%
17		x	127	59	51	59	37%
18	x		69	68	41	68	
19		x	44	67	55	67	
20	x		46	46	47	46	
21		x	46	46	46	46	
22		x	25	43	48	43	
23		x	80	107	99	107	
24	x		65	122	53	122	34%
25		x	20	98	189	98	52%
26	x		65	100	53	100	
27		x	20	99	75	99	
28	x		66	95	58	95	34%
29		x	19	110	74	110	37%
30	x		83	133	81	133	42%
31	x		110	150	174	150	55%
32		x	108	129	75	129	53%
33	x		119	107	87	107	43%
34		x	78	76	353	76	60%
35	x		118	157	164	157	44%
36		x	74	160	198	160	64%
37	x		109	155	122	155	47%
38		x	79	126	239	126	62%
39	x		55	61	34	61	
40		x	25	64	64	64	
41	x		128	107	140	107	43%
42		x	59	83	259	83	49%
43	x		61	68	52	68	
44	x		232	117	172	117	
45	x		79	55	52	55	33%
46		x	26	42	48	42	23%
47	x		82	57	52	57	33%
48		x	25	43	49	43	22%
49		x	25	43	49	43	22%
50	x		74	120	239	120	54%

## Europe

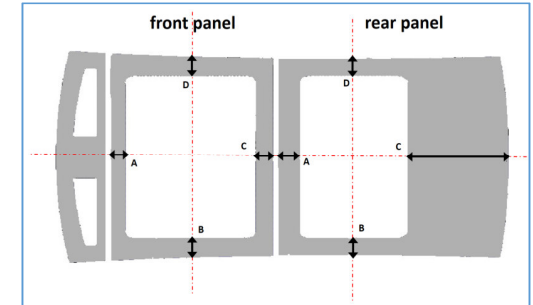
Ceramic printed area (CPA) of panoramic sunroof glazing:

Nr	panel type		size of CPA at position [mm]				percentage share frit
	front	rear	A	B	C	D	
51	x		74	120	239	120	54%
52	x		78	132	116	132	48%
53	x		87	160	120	160	
54		x	90	124	265	124	
55		x	90	123	335	123	
56		x	111	131	284	131	
57	x		97	114	205	114	50%
58	x		51	17	20	42	13%
59	x		95	110	197	110	49%
60	x		70	69	41	69	
61		x	45	68	55	68	
62	x		95	122	192	122	51%
63	x		95	110	192	110	50%
64	x		89	115	202	115	50%
65	x		88	106	193	106	
66	x		88	108	138	108	44%
67	x		89	117	149	117	45%
68	x		78	57	52	57	
69		x	14	43	55	43	
70	x		95	108	192	108	50%
71	x		80	56	50	56	
72		x	16	43	42	43	
73	x		92	124	122	124	44%
74	x		79	55	49	55	34%
75		x	16	41	42	41	25%

## Korea

Ceramic printed area (CPA) of panoramic sunroof glazing:

Nr	panel type		size of CPA at position [mm]				Percentage of CPA
	front	rear	A	B	C	D	
1	x		61	89	33	89	30%
2		x	30	66	59	66	32%
3	x		44	128	85	128	36%
4	x		58	119	39	119	34%
5		x	29	95	34	95	37%
6	x		50	92	26	92	29%
7		x	25	83	88	83	36%
8	x		48	47	28	47	19%
9		x	25	63	62	63	34%
10	x		61	101	39	101	31%
11		x	24	67	97	67	30%
12	x		79	85	40	85	37%
13	x		120	132	37	132	39%
14		x	34	102	346	102	56%
15	x		52	86	28	86	30%
16		x	25	59	91	59	30%
17	x		42	187	25	69	28%
18		x	27	38	371	38	21%
19	x	no	97	106	238	106	45%
20	x		54	55	33	55	21%
21		x	24	63	62	63	29%
22	x		76	120	52	120	35%
23		x	29	99	235	99	43%



CPA area > 135mm on side (B/D): EU= 8 glass panes (11%) ⇔ KOR= zero (0%)

CPA area > 135mm on rear (C): EU= 28 glass panes (37%) ⇔ KOR= 4 (17%)

CPA area > 125mm on side (B/D): EU= 14 glass panes (19%) ⇔ KOR= zero (0%)

CPA area > 125mm on rear (C): EU= 30 glass panes (40%) ⇔ KOR= 4 (17%)

⇒ The critical areas on glass panes are either the sides (B/D) or the rear side (D).

⇒ The front side is nearly uncritical except one glass pane above 135mm in EU and no roof is above 125mm in KOR for the roofs in verification.

CPA area % values > 49,9% (50%): EU = 17 glass panes (23%) ⇔ KOR = 1 (4%)

CPA area % values > 39,9% (40%) : EU = 34 glass panes (45%) ⇔ KOR = 3 (13%)

=> The number of glass panes increases significantly between 40% and 50% CPA area

CPA data review - Secretary to IWG PSG