

Ceramic Printed Area in Sunroof Glazing

Maunfacturer	Vehicle	Vehicle Type	Sunroof equipped Type	Movability	Finished Product size(mm)		Whole Area (mm^2)	Ceramic Printed Area(mm^2)	Percentage of CPA(%)	Ceramic Printed Width				Thickness of Toughened glass(mm)	Purpose for using Ceramic Print
					width	length				Front	Rear	Left	Right		
Hyundai	Accent	Notchback	Bottom-up	movable	829	429	0,355641	0,13	36,52	62	53	55	55	4	Opaque/adhesive/d esign
Hyundai	Avante	Notchback	Bottom-up	movable	852	430	0,36636	0,13	35,69	60	60	46	46	4	Opaque/adhesive/d esign
Hyundai	Genesis Cooper	Notchback	Bottom-up	movable	867	429	0,371943	0,14	37,24	66	53	57	57	4	Opaque/adhesive/d esign
Hyundai	Equus	Notchback	Bottom-up	movable	890	456	0,40584	0,14	34,27	59	55	55	55	4	Opaque/adhesive/d esign
Hyundai	Veracruz	SUV	Bottom-up	movable	898	456	0,409488	0,14	34,69	59	55	58	58	4	Opaque/adhesive/d esign
Kia	Morning	Hatch back	Bottom-up	movable	789	429	0,338481	0,13	37,01	62	53	55	55	4	Opaque/adhesive/d esign
Kia	K3	Notchback	Bottom-up	movable	829	429	0,355641	0,13	36,52	62	53	55	55	4	Opaque/adhesive/d esign
Kia	Pride	Notchback/hatchback	Bottom-up	movable	872	429	0,374088	0,13	34,40	59	57	44	44	4	Opaque/adhesive/d esign
Kia	Mohavi	SUV	Bottom-up	movable	898	458	0,411284	0,15	36,79	68	55	61	61	4	Opaque/adhesive/d esign
Kia	Carnival	RV	Bottom-up	movable	923	532	0,491036	0,16	33,17	59	56	68	68	4	Opaque/adhesive/d esign
				movable	925	594	0,54945	0,16	30,02	58	56	62	62	4	Opaque/adhesive/d esign
GM	Captiva	SUV	Bottom-up	movable	881	488	0,429928	0,13	31,32	53	49	58	58	4	Opaque/adhesive/d esign
GM	Trax	SUV	Bottom-up	movable	825	440	0,363	0,15	41,18	67	64	67	67	4	Opaque/adhesive/d esign
GM	Cruze	Notchback/hatchback	Bottom-up	movable	825	440	0,363	0,14	38,96	63	60	63	63	4	Opaque/adhesive/d esign
GM	Malibu	Notchback	Bottom-up	movable	825	440	0,363	0,15	41,18	67	64	67	67	4	Opaque/adhesive/d esign
GM	Aveo	Notchback/hatchback	Bottom-up	movable	810	400	0,324	0,14	41,69	52	71	64	64	4	Opaque/adhesive/d esign
Ssangyong	Chairman W	Sedan	Bottom-up	movable	864	492	0,425088	0,13	31,04	53	45	60	60	4	Opaque/adhesive/d esign
Ssangyong	Rexton	SUV	Bottom-up	movable	864	419	0,362016	0,09	26,00	38	34	46	46	4	Opaque/adhesive/d esign
Ssangyong	Korando C	SUV	Bottom-up	movable	864	492	0,425088	0,13	31,04	53	45	60	60	4	Opaque/adhesive/d esign
Ssangyong	Tivoli	SUV	Bottom-up	movable	816	455	0,37128	0,13	33,83	55	54	53	53	4	Opaque/adhesive/d esign
Renault Samsung	SM3	Sedan	Bottom-up	movable	768,913	418,029	0,321428	0,14	42,15	53,716	68,06	70,64	70,64	4	Opaque/adhesive/d esign

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Manufacturer	Vehicle	Vehicle Type	Panoramic sunroof equipped Type	Glass position	Movability	Finished Product size (mm)		Whole Area (mm ²)	Ceramic Printed Area (mm ²)	Percentage of CPA(%)	Ceramic Printed Width(mm)				Thickness of Toughened glass(mm)	Purpose for using Ceramic Print	Remark
						width	length				Front	Rear	Left	Right			
Hyundai	i30	Hatch back	Top loading	Movable glass	movable	1144	743	0,85	0,53	62,43	93	182	171	171	4	Opaque/adhesive/design	
				Rear Fixed glass	fixed	959	820	0,79	0,47	60,40	51	343	114	114	4	Opaque/adhesive/design	
Hyundai	Veloster	Hatch back	Top loading	Movable glass	movable	1130	610	0,69	0,33	47,85	119	62	146	146	4	Opaque/adhesive/design	
				Rear glass	fixed	1130	440	0,50	0,35	69,69	37	221	151	151	4	Opaque/adhesive/design	
Hyundai	Sonata	Notchback	Top loading	Front glass	fixed	1070	230	0,25	0,16	64,25	57	67	120	120	4	Opaque/adhesive/design	
				Movable glass	movable	1020	590	0,60	0,20	33,04	71	37	92	92	4	Opaque/adhesive/design	
				Rear glass	fixed	990	760	0,75	0,43	57,63	22	353	81	81	4	Opaque/adhesive/design	
Hyundai	i40 Wagon	Hatch back	Top loading	Front glass	fixed	1050	160	0,17	0,12	70,92	43	55	131	131	4	Opaque/adhesive/design	
				Movable glass	movable	1020	700	0,71	0,27	38,36	109	53	101	101	4	Opaque/adhesive/design	
				Rear glass	fixed	960	830	0,80	0,38	47,98	26	274	89	89	4	Opaque/adhesive/design	
Hyundai	i40 Saloon	Notchback	Top loading	Front glass	fixed	1050	160	0,17	0,12	70,92	43	55	131	131	4	Opaque/adhesive/design	
				Movable glass	movable	1020	700	0,71	0,27	38,36	109	53	101	101	4	Opaque/adhesive/design	
				Rear glass	fixed	980	780	0,76	0,39	50,79	28	283	89	89	4	Opaque/adhesive/design	
Hyundai	Grandeur	Notchback	Top loading	Front glass	fixed	1215	156	0,19	0,16	82,10	47	66	213	213	4	Opaque/adhesive/design	
				Movable glass	movable	1170	630	0,74	0,32	43,03	80	56	160	160	4	Opaque/adhesive/design	
				Rear glass	fixed	996	805	0,80	0,46	57,86	30	362	89	89	4	Opaque/adhesive/design	
Hyundai	Genesis	Notchback	Top loading	Front glass	fixed	1094	145	0,16	0,16	100,00					4	Opaque/adhesive/design	
				Movable glass	movable	1043	661	0,69	0,29	41,37	116	34	126	126	4	Opaque/adhesive/design	
				Rear glass	fixed	967	799	0,77	0,43	56,14	26	338	94	94	4	Opaque/adhesive/design	
Hyundai	All new Tucson	SUV	Top loading	Front glass	fixed	990	150	0,15	0,09	62,09	38	50	41	41	4	Opaque/adhesive/design	
				Movable glass	movable	990	840	0,83	0,15	17,79	49	28	47	47	4	Opaque/adhesive/design	
				Rear glass	fixed	930	860	0,80	0,43	54,06	26	377	63	63	4	Opaque/adhesive/design	
Hyundai	Santafe	SUV	Top loading	Front glass	fixed	1030	140	0,14	0,10	71,52	44	47	96	96	4	Opaque/adhesive/design	
				Movable glass	movable	1020	770	0,79	0,29	36,78	102	55	105	105	4	Opaque/adhesive/design	
				Rear glass	fixed	970	860	0,83	0,38	45,35	35	242	94	94	4	Opaque/adhesive/design	
Hyundai	Maxcruz	SUV	Top loading	Front glass	fixed	1030	140	0,14	0,10	71,66	44	47	98	98	4	Opaque/adhesive/design	
				Movable glass	movable	1010	820	0,83	0,30	36,53	102	56	108	108	4	Opaque/adhesive/design	
				Rear glass	fixed	960	1040	1,00	0,41	41,16	34	245	94	94	5	Opaque/adhesive/design	
Kia	Soul	Hatch back	Top loading	Front glass	fixed	990	150	0,15	0,11	72,28	50	51	75	75	4	Opaque/adhesive/design	
				Movable glass	movable	950	770	0,73	0,37	51,12	38	259	97	97	4	Opaque/adhesive/design	
				Rear glass	fixed	950	770	0,73	0,37	51,12	38	259	97	97	4	Opaque/adhesive/design	
Kia	K5	Notchback	Top loading	Front glass	fixed	1000	170	0,17	0,09	55,43	38	48	49	49	4	Opaque/adhesive/design	
				Movable glass	movable	980	640	0,63	0,18	28,09	50	29	88	88	4	Opaque/adhesive/design	
				Rear glass	fixed	950	770	0,73	0,41	56,32	25	360	60	60	4	Opaque/adhesive/design	
Kia	K7	Notchback	Top loading	Front glass	fixed	1030	160	0,16	0,11	68,53	40	53	128	128	4	Opaque/adhesive/design	
				Movable glass	movable	1000	590	0,59	0,23	38,22	78	62	95	95	4	Opaque/adhesive/design	
				Rear glass	fixed	940	820	0,77	0,45	57,82	61	340	82	82	4	Opaque/adhesive/design	
Kia	K9	Notchback	Top loading	Front glass	fixed	1050	190	0,20	0,12	60,42	39	54	118	118	4	Opaque/adhesive/design	
				Movable glass	movable	1030	590	0,61	0,21	34,93	73	44	97	97	4	Opaque/adhesive/design	
				Rear glass	fixed	970	820	0,80	0,49	61,58	22	417	84	84	4	Opaque/adhesive/design	

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						width	length				Front	Rear	Left	Right			
Kia	Sportage R	SUV	Top loading	Front glass	fixed	980	590	0,58	0,25	43,09	36	35	173	173	4	Opaque/adhesive/design	
				Movable glass	movable	1030	780	0,80	0,38	47,24	157	125,5	89	89	4	Opaque/adhesive/design	
				Rear glass	fixed	960	830	0,80	0,36	45,45	42	235	87	87	4	Opaque/adhesive/design	
Kia	Sorento	SUV	Top loading	Front glass	fixed	1022	160	0,16	0,16	100,00					4	Opaque/adhesive/design	
				Movable glass	movable	1014	773	0,78	0,27	34,15	71	47	113	113	4	Opaque/adhesive/design	
				Rear glass	fixed	962	920	0,79	0,37	46,85	24	230	94	94	4	Opaque/adhesive/design	
Kia	Carens	RV	Top loading	Front glass	fixed	1006	137	0,14	0,14	100,00					4	Opaque/adhesive/design	
				Movable glass	movable	996	752	0,75	0,28	37,73	100	51	110	110	4	Opaque/adhesive/design	
				Rear glass	fixed	954	842	0,80	0,32	40,09	31	186	92	92	4	Opaque/adhesive/design	
GM	Alpheon	Notchback	Bottom-up	Front glass	movable	830	495	0,41	0,17	40,38	70	70	70	70	4	Opaque/adhesive/design	
				Rear glass	fixed	805	400	0,32	0,11	35,62	30	70	57	57	4		
Renault Samsung	SM5	Sedan	Top loading	Front glass	movable	945,4	629,9	0,60	0,31	52,13	130,218	118,622	98,576	98,76	4	Adhesive/design	
				Rear glass	fixed	858,8	641,5	0,55	0,21	38,92	32,984	122,03	83,57	83,57	4	Adhesive/design	
Renault Samsung	SM7	Sedan	Top loading	Front glass	movable	945,4	629,9	0,60	0,31	52,12	130,218	118,622	98,576	98,576	4	Adhesive/design	
				Rear glass	fixed	858	701,6	0,60	0,22	37,30	32,984	122,28	83,558	83,558	4	Adhesive/design	
Renault Samsung	QM5	SUV	Top loading	Front glass	movable	991,6	788,3	0,78	0,34	43,95	138,242	98,13	98,923	98,923	4	Adhesive/design	
				Rear glass	fixed	974,6	778,4	0,76	0,32	42,40	51,26	168,677	96,091	96,091	4	Adhesive/design	