

Surface Design

North Tower Glass GN1 and GN2 18/02/2020 Stage 4 Design Submission.

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Project Glass reference	No.	Manufacturer	Product Code	Colour	VTI	Reflectance (exterior)	Reflectance (interior)	Solar Trans	Solar External Refl	Shading Coefficient	SHGC	U-Value	Precedent	Comment	Curvable?	Maximum size available	IGD8 ID for the coated glass	Sample
					Tv (%)	Rv (ext) (%)	Rv (int) (%)	Ts (%)	Rs (ext) (%)	SC	SHGC	W/m2K						
GN1					Clear/silver	>40	<20 (with blind)	<15			0.22	1.7			na			
GN2					Clear	>40	<12	<15			0.3	1.7			na			
GN2	6	Saint Gobain	Xtreme 70/33 II on diamond	Clear	69%	10.9%	13%	26%	45%	0.34	0.3	1.6	Mercedez Pilot Project (South of France), UK LSH Auto	Preferred product	Yes Concave and Convex	3600x7000	21057	Yes
GN2	10	China Southern/ASG	SJ65 on low iron	Clear	61%	11.3%	11%	24%	38%	0.33	0.28	1.67	333 George St	Acceptable product	na	2440x6000mm	1617	Yes
GN1	52	ASG	Supershade 505-1 on clear (CSG reference BUS2)	Clear	47%	20.8%	18%	18%	42%	0.26	0.23	1.62	Regiment USYD and Macquarie Park	Not preferred glass product following sampling viewing 13/2/19	na	2440x6000mm	19303	Yes
GN1	79	GNT	GSE23/44 on clear	Clear	43%	20.0%	13%	18%	37%	0.27	0.23	1.6	Awaiting information from supplier	Visually acceptable product, subject to IGD8 ID data being confirmed	na	Awaiting information from supplier	Awaiting information from supplier	Yes
GN1	84	SYP	YGE0149 on clear	Clear	43%	18.4%	12%	20%	36%	0.29	0.25	1.7	No precedent, confirmed by SYP	Visually acceptable, SHGC does not comply	na	2440x6000mm	8385	Yes
GN1	89	AGC Interpane	Stopray Vision 40	Clear	39%	19.3%	15%	16%	43%	0.23	0.2	1.7	Awaiting information from supplier	Viewed and visually accepted	na	Awaiting information from supplier	4463	Yes
GN1	90	AGC Interpane	Stopray Ultraselect-50 on Clearvision	Clear	50%	20.0%					0.24/0.28	1.7	Awaiting information from supplier	Not accepted visually by JFW	na	Awaiting information from supplier	TBC	Yes
GN1	93	SYP	YTD149T	Low Iron	44%	18%	20%	16%	30%	0.25	0.22	1.6	No precedent, confirmed by SYP	IGD8 data unclear if this is on clear substrate or Low iron, SYP to confirm, will have minor impact on properties.	na	2440x6000mm	8240	Yes
GN1	94	SYP	YTD649	Low Iron	46%	19%	18%	18%	51%	0.244	0.212	1.62	No precedent, confirmed by SYP	Viewed and visually accepted	na	2440x6000mm	8231	Yes
GN1	100	FGG	FselectID40[#2] on low iron+12A+6mm low iron	Low iron	40%	17%	14%	20%	48%	0.25	0.22	1.63		Not accepted visually by JFW	na	2500x6000mm	No	Yes
GN1	101	FGG	FselectID45[#2] on low iron+12A+6mm low iron	Low iron	46%	17%	15%			0.27	0.24	1.6		Acceptable product	na	2500x6000mm	No	Yes
GN1	102	CSG	BJ49 on clear	Clear	45%	19%	16%	18%	38%	0.26	0.22	1.6		Not accepted visually by JFW	na	2440x6000mm	No	Provided by Yuanda
GN1	103	SYP	YTD149 on clear	Clear	45%	19%	18%	17%	41%	0.24	0.21	1.6		Not accepted visually by JFW	na	2440x6000mm	8240	Provided by Yuanda
GN1	104	WHITB	WFE40 on clear	Clear	41%	17%	15%	19%	32%	0.28	0.24	1.6		Awaiting sample	na		No	To be provided by Yuanda
GN2	105	CSG	SJ65 on low iron (note same as Sample 10)	Low iron	62%	11%	11%	24%	45%	0.32	0.28	1.6	333 George St	Acceptable product (note same as benchmark product number 10)	na	2440x6000mm	1617	Provided by Yuanda
GN2	106	SYP	YTE0670 on low iron	Low iron	61%	10%	12%	25%	45%	0.34	0.3	1.6		Not accepted visually by JFW	na	2440x6000mm	8354	Provided by Yuanda
GN2	107	WHITB	WT172 on low iron	Low iron	64%	12%	14%	26%	48%	0.35	0.3	1.6		Awaiting sample	na		No	To be provided by Yuanda