



# INSULATING GLASS DATA

Appearance	Product	Outboard Substrate	Inboard Substrate	Transmission			Reflectance			U-Value		Relative Heat Gain	Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
				Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Winter Nighttime	Summer Daytime				
<b>SunGuard SuperNeutral</b>				<b>Coating #2 Surface</b>						<b>6 mm / 12 mm a.s. / 6 mm</b>					
Ultra Clear	SNX 62/27	UltraWhite	UltraWhite	<b>63</b>	6	24	11	12	48	0.28	0.27	65	0.30	<b>0.27</b>	2.37
Ultra Clear	SN 68	UltraWhite	UltraWhite	<b>69</b>	32	36	11	12	39	0.29	0.28	93	0.44	<b>0.39</b>	1.79
Ultra Clear	SN 62	UltraWhite	UltraWhite	<b>64</b>	15	28	11	14	40	0.29	0.27	76	0.36	<b>0.32</b>	2.00
Ultra Clear	SN 54	UltraWhite	UltraWhite	<b>55</b>	17	25	13	18	41	0.29	0.27	69	0.33	<b>0.28</b>	1.93
Clear	SNX 62/27	Clear	Clear	<b>62</b>	6	23	11	12	39	0.28	0.27	65	0.31	<b>0.27</b>	2.30
Clear	SN 68	Clear	Clear	<b>68</b>	29	33	11	12	32	0.29	0.28	90	0.43	<b>0.38</b>	1.80
Clear	SN 62	Clear	Clear	<b>62</b>	14	27	11	14	33	0.29	0.27	75	0.36	<b>0.31</b>	1.99
Clear	SN 54	Clear	Clear	<b>54</b>	15	23	13	18	33	0.29	0.27	68	0.32	<b>0.28</b>	1.91
Green	SNX 62/27	Green	Clear	<b>52</b>	3	18	9	11	11	0.28	0.27	59	0.28	<b>0.25</b>	2.13
Green	SN 68	Green	Clear	<b>58</b>	14	24	9	11	9	0.29	0.28	73	0.34	<b>0.30</b>	1.90
Green	SN 62	Green	Clear	<b>53</b>	7	20	9	13	10	0.29	0.27	64	0.30	<b>0.27</b>	1.98
Green	SN 54	Green	Clear	<b>46</b>	7	17	10	18	10	0.29	0.27	59	0.27	<b>0.24</b>	1.88
Dark Green	SNX 62/27	TwilightGreen	Clear	<b>46</b>	2	16	8	11	8	0.28	0.27	54	0.25	<b>0.22</b>	2.07
Dark Green	SN 68	TwilightGreen	Clear	<b>51</b>	8	20	8	11	7	0.29	0.28	64	0.30	<b>0.27</b>	1.92
Dark Green	SN 62	TwilightGreen	Clear	<b>47</b>	4	17	8	13	7	0.29	0.27	58	0.27	<b>0.24</b>	1.97
Dark Green	SN 54	TwilightGreen	Clear	<b>41</b>	4	15	9	17	8	0.29	0.27	53	0.25	<b>0.22</b>	1.85
Light Gray	SNX 62/27	CrystalGray	Clear	<b>45</b>	4	17	8	11	19	0.28	0.27	55	0.25	<b>0.22</b>	1.99
Light Gray	SN 68	CrystalGray	Clear	<b>49</b>	17	24	8	11	16	0.29	0.28	72	0.34	<b>0.30</b>	1.65
Light Gray	SN 62	CrystalGray	Clear	<b>45</b>	8	19	8	13	16	0.29	0.27	62	0.29	<b>0.26</b>	1.77
LightGray	SN 54	CrystalGray	Clear	<b>39</b>	9	17	9	17	17	0.29	0.27	57	0.26	<b>0.23</b>	1.68
				<b>Coating #3 Surface</b>											
Bronze	SNX 62/27 (#3)	Bronze	Clear	<b>38</b>	2	14	7	10	19	0.28	0.27	65	0.31	<b>0.27</b>	1.40
Green	SNX 62/27 (#3)	Green	Clear	<b>52</b>	3	18	10	10	11	0.28	0.27	76	0.36	<b>0.32</b>	1.66
Dark Green	SNX 62/27 (#3)	TwilightGreen	Clear	<b>46</b>	2	16	9	10	8	0.28	0.27	67	0.32	<b>0.28</b>	1.66
Light Gray	SNX 62/27 (#3)	CrystalGray	Clear	<b>45</b>	4	17	8	10	20	0.28	0.27	73	0.34	<b>0.30</b>	1.49
Gray	SNX 62/27 (#3)	Gray	Clear	<b>31</b>	2	12	6	10	15	0.28	0.27	58	0.27	<b>0.24</b>	1.28
Dark Gray	SNX 62/27 (#3)	MidnightGray	Clear	<b>6</b>	0	2	5	9	5	0.28	0.27	0.29	0.12	<b>0.11</b>	0.56
SN 68 or SN 62 may also be used on the #3 surface with a tinted or coated outboard lite.															
<b>SunGuard High Performance</b>				<b>Coating #2 Surface</b>						<b>6 mm / 12 mm a.s. / 6 mm</b>					
Light Blue	Light Blue 63	Clear	Clear	<b>62</b>	40	43	15	12	15	0.34	0.35	122	0.59	<b>0.51</b>	1.20
Neutral Pewter	Neutral 61	Clear	Clear	<b>61</b>	27	34	20	15	31	0.30	0.29	95	0.45	<b>0.40</b>	1.53
Neutral Blue	Neutral 50	Clear	Clear	<b>50</b>	30	31	16	11	19	0.33	0.32	94	0.45	<b>0.39</b>	1.28
Neutral Gray	Neutral 40	Clear	Clear	<b>40</b>	26	25	20	12	22	0.33	0.33	78	0.37	<b>0.32</b>	1.25
Light Silver	AG 50	Clear	Clear	<b>50</b>	26	28	28	18	36	0.30	0.28	80	0.38	<b>0.33</b>	1.51
Light Silver	AG 43	Clear	Clear	<b>41</b>	23	24	30	15	33	0.31	0.30	71	0.33	<b>0.29</b>	1.39
Royal Blue	Royal Blue 40	Clear	Clear	<b>38</b>	21	24	24	18	24	0.31	0.31	76	0.36	<b>0.31</b>	1.21
Blue-Green	Light Blue 63	Green	Clear	<b>52</b>	18	26	12	12	8	0.34	0.35	84	0.39	<b>0.35</b>	1.51
Green	Neutral 61	Green	Clear	<b>51</b>	13	23	15	14	11	0.30	0.29	71	0.34	<b>0.30</b>	1.74
Green	Neutral 50	Green	Clear	<b>42</b>	14	20	13	10	9	0.33	0.32	69	0.32	<b>0.28</b>	1.49
Green	Neutral 40	Green	Clear	<b>34</b>	12	16	16	12	10	0.33	0.33	59	0.27	<b>0.24</b>	1.39
Green	AG 50	Green	Clear	<b>43</b>	12	19	21	18	14	0.30	0.28	62	0.29	<b>0.25</b>	1.67
Green	AG 43	Green	Clear	<b>35</b>	11	15	23	14	14	0.31	0.30	55	0.26	<b>0.23</b>	1.52
Aquamarine	Royal Blue 40	Green	Clear	<b>32</b>	9	15	19	17	12	0.31	0.31	56	0.26	<b>0.23</b>	1.40
Silver Gray	AG 50	CrystalGray	Clear	<b>36</b>	15	20	17	18	19	0.30	0.28	64	0.30	<b>0.26</b>	1.38
Silver Gray	AG 43	CrystalGray	Clear	<b>30</b>	13	16	18	14	18	0.31	0.30	58	0.27	<b>0.24</b>	1.25
Blue Gray	Royal Blue 40	CrystalGray	Clear	<b>27</b>	11	17	15	17	14	0.31	0.31	60	0.28	<b>0.25</b>	1.11
<b>SunGuard Solar</b>				<b>Coating #2 Surface</b>						<b>6 mm / 12 mm a.s. / 6 mm</b>					
Silver Blue-Gray	Silver 32	Clear	Clear	<b>29</b>	23	20	22	21	18	0.42	0.44	76	0.35	<b>0.31</b>	0.94
Silver	Silver 20	Clear	Clear	<b>18</b>	15	12	31	27	27	0.39	0.41	54	0.24	<b>0.21</b>	0.84
Blue-Green	Silver 32	Green	Clear	<b>24</b>	11	12	17	21	10	0.42	0.44	61	0.27	<b>0.24</b>	1.00
Green	Silver 20	Green	Clear	<b>15</b>	7	8	24	27	13	0.39	0.41	48	0.21	<b>0.19</b>	0.82

**NOTES:**

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated in accordance with the LBNL Window 5.2 computer analysis using an air mass of 1.5.
- Glass may require heat strengthening or tempering to resist potential thermal stresses. Please contact Guardian for assistance.
- Guardian recommends edge deletion for all commercial low-E coatings.
- Guardian reserves the right to change product performance characteristics without notice or obligation.