

# SOLAR CONTROL FILM



## Ultra View Nano Ceramic

	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	INFRARED REJECTION (IRR %)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
ULTIMATE 70	73	10	10	38	48	14	56	99	24	0.60	92	0.79	1.01
SUPERIOR 70	69	8	8	44	49	7	42	99	28	0.67	77	0.86	1.12

## Clear Sky Dual Reflective

	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
CSDR 50	49	16	12	41	44	15	46	99	45	0.63	0.54	—	1.11
CSDR 35	33	31	21	26	45	29	61	99	63	0.45	0.39	—	1.08
CSDR 10	9	53	24	7	46	47	79	100	90	0.24	0.21	—	1.10

## Reflective Solar Silver

	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
RSS 50	48	28	26	36	35	29	54	99	47	0.54	0.46	0.75	0.97
RSS 35	33	42	41	25	36	39	65	99	63	0.40	0.35	0.73	0.96
RSS 20	14	64	64	10	30	60	82	99	84	0.21	0.18	0.71	0.94

## Sunset Solar Bronze

	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
SSB 50	53	16	14	41	37	22	49	99	40	0.59	0.51	—	1.05
SSB 30	32	27	24	23	43	34	66	99	64	0.40	0.34	—	1.03
SSB 20	20	36	33	12	44	44	76	99	78	0.28	0.24	—	1.03

# SAFETY AND SECURITY FILM



	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
<b>1/8" (3MM) SINGLE PANE CLEAR GLASS</b>	<b>90</b>	<b>9</b>	<b>9</b>	<b>83</b>	<b>9</b>	<b>8</b>	<b>15</b>	<b>27</b>	<b>—</b>	<b>0.98</b>	<b>0.85</b>	<b>0.84</b>	<b>1.04</b>

<b>Clear UV Safety Film</b>	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
<b>2 MIL</b>	<b>88</b>	<b>10</b>	<b>—</b>	<b>75</b>	<b>17</b>	<b>8</b>	<b>19</b>	<b>96</b>	<b>—</b>	<b>0.93</b>	<b>—</b>	<b>—</b>	<b>1.05</b>
<b>4 MIL</b>	<b>86</b>	<b>10</b>	<b>—</b>	<b>74</b>	<b>18</b>	<b>8</b>	<b>20</b>	<b>96</b>	<b>—</b>	<b>0.92</b>	<b>—</b>	<b>—</b>	<b>1.05</b>
<b>7 MIL</b>	<b>85</b>	<b>10</b>	<b>—</b>	<b>71</b>	<b>19</b>	<b>10</b>	<b>20</b>	<b>96</b>	<b>—</b>	<b>0.91</b>	<b>—</b>	<b>—</b>	<b>1.05</b>

<b>Solar Control Safety 4 Mil</b>	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
<b>NEUTRAL 50</b>	<b>47</b>	<b>13</b>	<b>11</b>	<b>43</b>	<b>46</b>	<b>12</b>	<b>44</b>	<b>&gt;99</b>	<b>48</b>	<b>0.65</b>	<b>0.56</b>	<b>0.90</b>	<b>1.07</b>
<b>NEUTRAL 35</b>	<b>42</b>	<b>16</b>	<b>13</b>	<b>39</b>	<b>48</b>	<b>14</b>	<b>47</b>	<b>&gt;99</b>	<b>53</b>	<b>0.61</b>	<b>0.53</b>	<b>0.87</b>	<b>1.05</b>
<b>SILVER 20</b>	<b>15</b>	<b>59</b>	<b>60</b>	<b>11</b>	<b>37</b>	<b>52</b>	<b>74</b>	<b>&gt;99</b>	<b>83</b>	<b>0.24</b>	<b>0.21</b>	<b>0.71</b>	<b>0.97</b>

<b>Solar Control Safety 8 Mil</b>	VISIBLE LIGHT			SOLAR ENERGY			TOTAL SOLAR ENERGY REJECTION (TSER %)	UV RADIATION BLOCKED (UVR %)	GLARE REDUCTION (GR %)	SHADING COEFFICIENT (SC)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	EMISSIVITY (E)	WINTER U VALUE
	TRANSMITTED (VLT %)	REFLECTED (VLR % EXT)	REFLECTED (VLR % INT)	TRANSMITTED (T %)	ABSORBED (A %)	REFLECTED (R %)							
<b>NEUTRAL 50</b>	<b>44</b>	<b>14</b>	<b>11</b>	<b>40</b>	<b>49</b>	<b>11</b>	<b>46</b>	<b>&gt;99</b>	<b>51</b>	<b>0.62</b>	<b>0.54</b>	<b>0.88</b>	<b>1.06</b>
<b>NEUTRAL 35</b>	<b>38</b>	<b>16</b>	<b>13</b>	<b>34</b>	<b>52</b>	<b>14</b>	<b>50</b>	<b>&gt;99</b>	<b>58</b>	<b>0.57</b>	<b>0.50</b>	<b>0.88</b>	<b>1.05</b>
<b>SILVER 20</b>	<b>14</b>	<b>58</b>	<b>59</b>	<b>10</b>	<b>39</b>	<b>51</b>	<b>79</b>	<b>&gt;99</b>	<b>84</b>	<b>0.24</b>	<b>0.21</b>	<b>0.70</b>	<b>0.96</b>