

**Performance data  
sheet - Sealed  
Insulated Glass Units**



Glass Partners www.glasspartners.co.za 011-473-1487

THERMO-SIG GP® with 12mm Air Gap		Visible Light		Solar Energy				U-value	Acoustic Properties	UV Protection	
		Transmission	Reflection Out	Reflection	Absorption	Transmission	Total Heat Elimination	SHGC	Centre of Glass W/m <sup>2</sup> .K	Centre of Glass (Rw)	Centre of Glass
		(%)	(%)	(%)	(%)	(%)	(%)	Factor	Factor	dB	TdW-ISO
UNIT	Description										
<b>Thermo-SIG GP® HP1 Clear LE</b>	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	<b>73</b>	<b>15</b>	<b>14</b>	<b>28</b>	<b>56</b>	<b>34</b>	<b>0.66</b>	<b>1.90</b>	<b>36.1</b>	<b>62%</b>
<b>Thermo-SIG GP® HP2 Clear LE</b>	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	<b>68</b>	<b>17</b>	<b>16</b>	<b>30</b>	<b>54</b>	<b>35</b>	<b>0.65</b>	<b>1.77</b>	<b>36</b>	<b>56%</b>
<b>Thermo-SIG GP® HP2 Plus Clear LE</b>	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	<b>68</b>	<b>17</b>	<b>16</b>	<b>30</b>	<b>54</b>	<b>35</b>	<b>0.65</b>	<b>1.49</b>	<b>36.4</b>	<b>56%</b>
<b>Thermo-SIG GP® HP3 Clear LE</b>	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	<b>61</b>	<b>20</b>	<b>18</b>	<b>30</b>	<b>52</b>	<b>43</b>	<b>0.57</b>	<b>1.10</b>	<b>39.7</b>	<b>48%</b>
<b>Thermo-SIG GP® HPC1 Neutral</b>	TSG neutral glass unit, solar reflection, high VLT, medium reflection, good thermal insulation	<b>46</b>	<b>19</b>	<b>18</b>	<b>45</b>	<b>37</b>	<b>52</b>	<b>0.48</b>	<b>2.70</b>	<b>36</b>	<b>41%</b>
<b>Thermo-SIG GP® HPC1 NLE</b>	TSG neutral glass unit, solar reflection, high VLT, medium reflection, high thermal insulation	<b>42</b>	<b>20</b>	<b>19</b>	<b>47</b>	<b>34</b>	<b>56</b>	<b>0.44</b>	<b>1.90</b>	<b>36</b>	<b>37%</b>
<b>Thermo-SIG GP® HPC2 Clear</b>	TSG clear glass unit, solar reflection, high VLT, medium-low reflection, high thermal insulation	<b>62</b>	<b>13</b>	<b>12</b>	<b>46</b>	<b>42</b>	<b>48</b>	<b>0.52</b>	<b>2.08</b>	<b>36</b>	<b>54%</b>
<b>Thermo-SIG GP® HPC3 Clear</b>	TSG clear glass unit, solar reflection, high VLT, medium-low reflection, high thermal insulation	<b>61</b>	<b>29</b>	<b>21</b>	<b>31</b>	<b>48</b>	<b>44</b>	<b>0.56</b>	<b>1.98</b>	<b>36</b>	<b>48%</b>
<b>Thermo-SIG GP® HPC4 Clear</b>	TSG clear glass unit, solar reflection, high VLT, medium-low reflection, high thermal insulation	<b>54</b>	<b>11</b>	<b>9</b>	<b>55</b>	<b>36</b>	<b>55</b>	<b>0.45</b>	<b>1.90</b>	<b>36</b>	<b>49%</b>