SentryGlas® EXPRESSIONS™
Using DuPont™ Technology
Digitally-Printed PVB Interlayer

SentryGlas®
Using DuPont™ Ionoplast Interlayer
Taking Glass Fabrication to the Next Level

One Gateway Boulevard, Pedricktown, NJ 08067
Toll Free: (800) 257-7827 • Fax: (856) 299-4344
www.jeberkowitz.com • info@jeberkowitz.com

## JEB Fusion™ Acoustical Rating Charts

### Monolithic JEB Fusion™ Laminated Glass

<table>
<thead>
<tr>
<th>Nominal Thickness</th>
<th>Laminate Make-Up</th>
<th>STC</th>
<th>OITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” (monolithic)</td>
<td>Glass Ply - PVB - Glass Ply</td>
<td>31</td>
<td>29</td>
</tr>
<tr>
<td>1/4”</td>
<td>1/8” - .030 - 1/8”</td>
<td>34</td>
<td>30</td>
</tr>
<tr>
<td>5/16”</td>
<td>1/8” - .030 - 1/8”</td>
<td>35</td>
<td>31</td>
</tr>
<tr>
<td>5/16”</td>
<td>1/8” - .090 - 1/8”</td>
<td>35</td>
<td>32</td>
</tr>
<tr>
<td>3/8”</td>
<td>3/16” - .030 - 3/16”</td>
<td>36</td>
<td>33</td>
</tr>
<tr>
<td>7/16”</td>
<td>3/16” - .060 - 3/16”</td>
<td>36</td>
<td>32</td>
</tr>
<tr>
<td>7/16”</td>
<td>3/16” - .090 - 3/16”</td>
<td>35</td>
<td>32</td>
</tr>
<tr>
<td>1/2” (monolithic)</td>
<td>36</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>1/2”</td>
<td>1/4” - .030 - 1/4”</td>
<td>37</td>
<td>33</td>
</tr>
<tr>
<td>9/16”</td>
<td>1/4” - .060 - 1/4”</td>
<td>37</td>
<td>33</td>
</tr>
<tr>
<td>3/4”</td>
<td>3/8” - .030 - 3/8”</td>
<td>40</td>
<td>34</td>
</tr>
<tr>
<td>1”</td>
<td>1/2” - .030 - 1/2”</td>
<td>42</td>
<td>35</td>
</tr>
</tbody>
</table>

### Insulating Glass Units with JEB Fusion™ Laminated Glass

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Glass Ply</th>
<th>Air Space</th>
<th>Glass Ply</th>
<th>STC</th>
<th>OITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” (no laminate)</td>
<td>1/4”</td>
<td></td>
<td>1/4”</td>
<td>35</td>
<td>28</td>
</tr>
<tr>
<td>1”</td>
<td>1/4”</td>
<td></td>
<td>1/4”</td>
<td>35</td>
<td>30</td>
</tr>
<tr>
<td>1”</td>
<td>1/4” LAG .030</td>
<td></td>
<td>1/4”</td>
<td>42</td>
<td>35</td>
</tr>
<tr>
<td>1 1/8”</td>
<td>1/4” LAG .060</td>
<td></td>
<td>1/4”</td>
<td>41</td>
<td>33</td>
</tr>
<tr>
<td>1 3/16”</td>
<td>1/4” LAG .030</td>
<td></td>
<td>1/4”</td>
<td>40</td>
<td>35</td>
</tr>
<tr>
<td>1 1/4”</td>
<td>7/16” LAG .030</td>
<td></td>
<td>1/2”</td>
<td>40</td>
<td>33</td>
</tr>
<tr>
<td>1 1/2”</td>
<td>1/2” LAG .030</td>
<td></td>
<td>1/2”</td>
<td>41</td>
<td>35</td>
</tr>
<tr>
<td>1 5/8”</td>
<td>1/2” LAG .060</td>
<td></td>
<td>1/2”</td>
<td>42</td>
<td>36</td>
</tr>
<tr>
<td>1 5/16”</td>
<td>1/4”</td>
<td></td>
<td>9/16” LAG .060</td>
<td>41</td>
<td>33</td>
</tr>
</tbody>
</table>

### Monolithic & Insulated Glass Units with SentryGlas® Interlayers

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Glass Ply – Interlayer / Airspace – Glass Ply</th>
<th>STC</th>
<th>OITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/16” lami</td>
<td>1/4” – .060 SGP – 1/4”</td>
<td>35</td>
<td>32</td>
</tr>
<tr>
<td>9/16” lami</td>
<td>1/4” – .035 SGP – 1/4”</td>
<td>35</td>
<td>33</td>
</tr>
<tr>
<td>1 5/16” IG</td>
<td>1/4” – 9/16” LAG .060</td>
<td>39</td>
<td>33</td>
</tr>
<tr>
<td>1 5/16” IG</td>
<td>1/4” – 1/2”</td>
<td>39</td>
<td>33</td>
</tr>
<tr>
<td>1 3/16” IG</td>
<td>1/4” – 7/16” LAG .060</td>
<td>38</td>
<td>32</td>
</tr>
<tr>
<td>1 3/16” IG</td>
<td>1/4” – 3/8” LAG .035</td>
<td>38</td>
<td>32</td>
</tr>
</tbody>
</table>

### Points of Reference

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Glass Ply – PVB - Glass Ply</th>
<th>STC</th>
<th>OITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/16” lami</td>
<td>1/4” – 0.600 SGP – 1/4”</td>
<td>35</td>
<td>32</td>
</tr>
<tr>
<td>9/16” lami</td>
<td>1/4” – 0.035 SGP – 1/4”</td>
<td>35</td>
<td>33</td>
</tr>
<tr>
<td>1 5/16” IG</td>
<td>1/4” – 9/16” LAG .060</td>
<td>39</td>
<td>33</td>
</tr>
<tr>
<td>1 5/16” IG</td>
<td>1/4” – 1/2”</td>
<td>39</td>
<td>33</td>
</tr>
<tr>
<td>1 3/16” IG</td>
<td>1/4” – 7/16” LAG .060</td>
<td>38</td>
<td>32</td>
</tr>
<tr>
<td>1 3/16” IG</td>
<td>1/4” – 3/8” LAG .035</td>
<td>38</td>
<td>32</td>
</tr>
</tbody>
</table>

* Acoustical Values from GANA Laminated Glazing Reference Manual 2009 Edition test data; results are not guaranteed. Make-ups and values should only be used as a guide.
* LAG = Laminated Architectural Glass, two symmetrical lites of glass laminated with PVB.
* STC (Sound Transmission Class) - The average of the sound transmission losses between the frequencies of 125Hz and 4,000Hz.
* OITC (Outdoor-Indoor Transmission Class) - The standard used for indicating the rate of transmission of sound between outdoor and indoor spaces in a structure; it is based on ASTM E1332.
* JEB Fusion® Laminated Glass conforms to ASTM C1172 Standards.
* JEB Recommends using a minimum of .060 interlayer for laminates with heat-treated glass or a component lite of 3/8” or thicker.
* Sizes Subject to Review; consult customer service for make-up limitations.
* Available in Annealed, Heat-Strengthened, Tempered and Heat Soaked.