6-17-14

Trex Recommendations when using with a Sleeper System:

A sleeper system is a substructure between a solid surface and Trex decking. Drainage, access, and airflow are critical. Water must be able to flow through and away from the deck. For repairs and removal of debris, joist system access may be necessary.
• It is recommended that building code approved structural material be used as the supports.
• Gapping rules are required when installing Trex Decking:

<table>
<thead>
<tr>
<th>Type of Gap</th>
<th>Above 40°F (4.5°C)</th>
<th>Below 40°F (4.5°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width to Width</td>
<td>¼” (6mm)</td>
<td>3/8” (9.5mm)</td>
</tr>
<tr>
<td>End to End</td>
<td>1/8” (3mm)</td>
<td>3/16” (5mm)</td>
</tr>
<tr>
<td>End to Width</td>
<td>1/8” (3mm)</td>
<td>3/16” (5mm)</td>
</tr>
<tr>
<td>Abutting Solid Objects</td>
<td>¼” (6mm)</td>
<td>¼” (13mm)</td>
</tr>
</tbody>
</table>

• This system should not be allowed to float; it must be attached in a manner that secures the framing/system.
• The sleeper system must be level and have no uneven undulations. Any uneven areas of the substructure will transfer to the Trex decking, resulting in uneven decking.
• Trex, when used with a sleeper system, must be supported below its entire length and if using in a roofing application, the supports must run the direction of the pitch of the roof to facilitate proper drainage. Sleeper should be placed perpendicular to the deck board orientation
  • For Commercial applications it is recommended to consult local building code official for specific requirements
  • If installing decking at angle, decrease spans 4” (100mm) for each of the above. (12”/305mm for residential and 8”/204mm for commercial)
• For sleeper systems where little debris (pine needles, leaves, sand, dirt) can accumulate either between or under deck boards, a minimum of 1.5” (38mm) height is allowable and Trex Universal Hidden Fasteners can be used. (Note that Trex recommended composite decking screws are too long when using 1.5” (38mm) height as this will penetrate through the sleeper.) For areas with the potential for debris buildup, a minimum 3.5” (89mm) or greater height is recommended to allow the debris to be removed along with the use of either Trex Universal Hidden fasteners or Trex recommended screws.
• Always consult your local building code authority for proper details on roof and railing installation to the roof structure if required.
• Any deviation from these recommendations could result in the voiding of the Trex warranty.

Submitted by:
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