

3.7 Test Summary

In the absence of an AC174-specified factor of safety for determining allowable uplift capacity, a factor of safety of 3.0, as referenced by Section 5.5 of ASTM D 7032, was used.

Allowable Uplift Capacity for National Nail's Proprietary Fastener System Installed with Various Materials of Deck Boards

Deck Board Used in Testing	Total Uplift Load (psf)	Allowable Uplift Capacity (psf)*
<i>Pressure Treated Red Pine</i>	390	130
<i>Cedar Wood</i>	330	110
<i>Ipe Brazilian Hardwood</i>	736	245
<i>Trex Accents[®] WPC</i>	585	195
<i>TAMKO Evergrain[®] WPC</i>	667	222
<i>Veranda[™] WPC</i>	486	162
<i>AZEK[®] Deck CPVC</i>	574	191

* Total uplift load divided by a safety factor of 3.0

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Deck Board Used in Testing	Total Uplift Load (psf)	Allowable Uplift Capacity (psf)*
<i>Fiberon Horizon (grooved) WPC deck boards</i>	452	151
<i>Fiberon Horizon (solid) WPC deck boards</i>	377	126
<i>Gossen Passport (grooved) CPVC deck boards</i>	523	174
<i>TimberTech Twin Finish (grooved) WPC deck boards</i>	379	126
<i>TimberTech Twin Finish (solid) WPC deck boards</i>	363	121
<i>TimberTech XLM (solid) CPVC deck boards</i>	432	144
<i>5/4 Preservative Treated, SYP deck boards</i>	484	161
<i>2x6 Preservative Treated, SYP deck boards</i>	601	200
<i>TimberTech XLM (grooved) CPVC deck boards</i>	482	161
<i>Trex Accents (grooved) WPC deck board</i>	360	120
<i>Trex Transcend (grooved) WPC deck board</i>	436	145
<i>Trex Transcend (solid) WPC deck board</i>	528	176

* Total uplift load divided by a safety factor of 3.0

4.0 Closing Statement

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